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U. S. Dept. Agricul.  
Washington D.C.

Journal, Ecuador  
Peru Bolivia  
1923

Rose

2 Timman of J. J. J. J. J.  
to Ecuador P. B. B. B. B.

May 24

Left Washington

May 25

Sailed on Panama  
By Steamer "Panama"  
for Cristobal.

May 30

Landed for a few  
hours at Port au  
Prince. Collected  
insects on mountain  
side above the "Mond-  
un Forest" (19869-  
19890)

June 2

Arrived Cristobal, <sup>Washington</sup> <sub>Island</sub>

June 3

Went to Miller, Twali  
Isle. Between June 2  
and June 9 I consult-  
ed with Mr. Zelt in  
charge of the Entomo-  
logical Laboratory at



Wilson, called on the  
resident of Ponce de Leon  
who showed a carriage (auto)  
at one disposal from  
road to Old Ponce de Leon.

Visited the new  
Gorge Museum of  
which the owner has  
been kind, took photos  
of this region. Saw  
wildlife & new Santa  
Teresa Hospital.

Called on <sup>or</sup> Mr. ~~Morgan~~  
of Canal zone. Visited  
the Brown Colorado Island  
in Salinas Lake in company  
with John Cook, Mayon  
and others.

Jan 5 -  
Returned to Cristobal. Had  
an interview at the  
Washington with Mrs  
Powers in regard to the site  
for the Set and near

The ~~Marine~~ Memorial  
for a Marine Biological  
Laboratory.

Jan 10  
Boarded the steamer  
Pradaya (Ponce de Leon)  
for Guayaquil. Passed  
through the Canal remain-  
ing over night at Balboa  
to load Cedar logs.

Jan 13  
Stopped at Guayaquil  
Colombia for a few hours.  
Collected fishes about  
one hour along by  
to the river.

Jan 14  
Landed Guayaquil.  
Mr. Rowe had sent a  
man who took charge of  
conducting arrangements  
through Customs, Police &c,  
Dante & other City. Mr. Rowe  
in his plantation & could  
not visit me. Called on



F.W.

Dr. Godfrey Verrill  
bureau General. My  
day - moved to other commo-  
nities for work, looking  
much & dinner out.

Between m 16 and 2  
made various arrange-  
ments, collected around  
city. Called on Gov. of the  
Province of Guayaquil who  
gave a general letter in  
Spanish to officials etc.

Called on Mr. Ugel in  
charge of the terminal,  
Mr. Powell in charge of  
the Cable Co.

Jan 21

In the night of Jan 20  
went on launch to  
a camp of the Standard  
Oil Co. landed at  
Bujon and went by truck  
to the Oil Camp. Was  
met by Mr. Orr who

is the geologist of the company  
and who came down on  
the boat with us. Mr. Clark  
is in charge of the camp.

Made collections Jan 21  
to 24. Had expected to re-  
main only 2 days & had  
brought only inner shirts. Some  
of specimens in bad shape  
on return to Guayaquil.

Jan 25

Returned to Guayaquil.

Jan 26

Until Jan 28 collected  
around Guayaquil and  
prepared for trip to Guayaquil.

Jan 27

Started for Guayaquil & AM.  
I had stored at Dr. Godfrey's  
office the 2 boxes of inner  
shirts and the ~~inner~~ trunk  
with some other paper &  
supplies. Took my things  
also in driver, all baggage  
went hand baggage with



pay plant rates (2<sup>35</sup> cents per  
bushel to sugar).

Arrived at sugar at  
noon & got two rooms in  
the hotel (good price)  
over for today night & some  
for my short work.

Called on Mr. Dobie  
General Manager, in  
Ry. & gave me a permit  
to ride on freight cars  
and to use my room at  
the station in Bucay  
where I wished to stay  
over night there.

July 1 <sup>page 30</sup>  
Went to Meagro and  
arrived at the Ingenio  
Valdez in time to July 3.  
Mr. Meagro superintendent.  
Mr. S. Perez Comptroller is manager.  
Mr. Cleveland had taken  
me to Mr. Perez's office in  
Guayaquil. Mr. Perez

gave me letter to Mr. Meagro.  
Saw him the day was at  
the sugar factory where I  
arrived. He had quarters here.  
Mr. Hall the chemist & a  
graduate of the U. of Mich.  
Mr. Allison was with  
me collecting. Mr. Pappan  
had given me letters to  
Mr. Behar & Mr. Cleveland.  
On return stand over night  
at Bucay & come to Pichin  
on freight July 3.

July 3 & 4  
Drying the Milagro plants

July 5  
Went to Beresita. In Guayaquil  
Mr. Cleveland had invited  
me to come here and gave  
me a letter to his superin-  
tendent Mr. Martinez Valdez.  
But Mr. Cleveland was  
at the plantation when  
I arrived. It is in bananas



Collected July 5, 6, & 7. Very  
wet raining practically  
every day. Got a large  
collection. Returned to  
Bucay night of July 8 &  
remained in the ~~old~~  
room taking the garage  
next morning.

In Cebu, I saw a specimen  
of *Gompholobos* (a species)  
*Chrysomelids* (20470) which  
gives excellent promise as a  
forensic plant. I will visit  
the region. The pattern was  
planted from the roots.

Went to get seed but is out  
of season and has not  
appeared in the field.

*Gemma* - name applied to  
aspidium conjugatum.  
*Pupa* - name applied to  
summer grass.

July 8  
Returned to Bucay in P. M.

Letter from Mr. Rorer, forwarded  
from Guayaquil. He would  
like to come over from Guayaquil  
Monday. I am trying to make  
arrangements for the visit  
but of course cannot go Monday  
which is July 9.

July 10  
Telegraphed <sup>yesterday</sup> ~~last night~~ to Dr. Godding  
to get word to Rorer. Received telegram  
from Dr. G. last night (8.30) saying  
he had got word to Rorer through  
Mr. Ayala who lives near him.  
We went down on the noon train  
arriving Chobó about 5:00 P.M.  
No horses there to meet us. Mrs.  
Underaker of the store said Rorer had  
sent horses for the morning (up)  
train. We were able to get two  
horses for Mrs. H. & myself and  
a chivil for the guide boy and  
the baggage (except the press)  
My saddle was the boys - of wood  
& shoe stirrups on short ropes  
for his length (very uncomfortable)



We had a hard trip arriving  
about 8 PM. March 2nd morning  
after dark. My # was very much  
exhausted. (3 hours ride)

Staid with Mr & Mrs. Rorer in the  
remainder of the week - a very  
pleasant visit. I made collect-  
ions in the vicinity & dried them  
on a large lamp which  
18 sheets of corrugated paper &  
about 20 dollars. Got all the  
specimens dry.

July 15

Left Mr Rorer Sunday after-  
noon, going by horse to

Milagro. We had received an  
invitation to stay over night  
at the Perry place, Ingenio Valley.  
Where I had previously been.  
Very comfortable. Left on the  
next morning about 8 AM for  
San Juan Monday morning (July 16)

July 17

Started about 8 AM. about  
week. but for no reason.

Left on arrival per steamer.  
Arrived about 8 PM. Took a freight  
at 6:00 for Bucay, where I  
staid in Mr. Dobbs' room  
returning on morning freight  
to Orizaba (July 18)

July 18

Spent the day arranging collec-  
tions and writing.

July 19

Went to the bank to deposit  
the freight. Paper dried.

Went on road toward Cuernavaca

July 21

Went with Mrs. Anthony through  
Cruz plant collected. Arrived  
in Cuernavaca week. Dr. Parker  
as to Mrs. H's condition for going  
to Cuernavaca. Dr. Parker says Sunday

July 23

Saw Dr. Parker who advised  
a course for going to Cuernavaca  
It was then decided that she  
return to the States. It was



Also decided that the Cam-  
eron & Cameron family were  
to leave March 25. The wedding  
celebration to be at 2 o'clock  
in Sunday school. The same  
day reached their mother's mother  
(24) & 24th March. Present  
days, holidays, etc. For London,  
arrived at 11. Some more  
for passport & currency  
travelling. Spent 3000 at bank.

Arrived in London separating  
Mrs. Lee & family, left in  
truck. Found ship & dish  
much better. But were  
also surprised, saw some  
fish. Trucks loaded up at  
10<sup>00</sup> AM. Finally got most  
about the road which  
ended above 15. Found  
that I had not even  
seen the truck keys.

July 26

Packed plants & got out

paper, sent money & letters. 4c.

July 27

Went to Market & bought some for  
mother. Saw some of the people, & a few  
more. (27) (27) (27) (27)

July 28-29

Worked on my account & packed  
for family.

July 30-31

Went to family house. Found  
very good.

Found very good. Found very good.  
All the 2. Found very good.

Aug 2

Called on President with Mr.  
Bachman. Also on the 2nd of  
Aug (Pres. day) & 2nd of  
Aug (Pres. day)

Aug 3-4

Arranged in trip to London  
for Mr. Williams. Gave to Mr.  
Williams. Gave to Mr. Williams.

Aug 4 in Sabbath for Mr. Williams  
(2 day London)



Aug 7

Returned to El Estero de  
Colobres, on way

Spence Aug 22 ranch  
collected.

Nome d'Iskra

44-17

0.5

May 16

Aug. 68

Aug 17 <sup>30 am</sup>  
 Ascended Picnic Peak. Left  
 house at 13500 ft. Took way  
 from ranch as guide shepherd  
 reached edge of plain at 11<sup>00</sup>  
 Collected on way down. Cloudy at  
 summit and got no view. Arrived  
 Quito about 8<sup>00</sup> pm. Barometer showed  
 edge of plain to be 15000 feet



Aug. 18 + 19

Drying plants & packing for  
return to Guayaquil.

Aug. 20 & 21

En route to Guayaquil

Aug. 22 - 25

In Guayaquil waiting for boat  
to Santa Rosa. Separated baggage  
to take on Loja trip. Remained  
to store with Dr. Goding. Got new  
lamp & dried collections from  
Pichincha. Took boat for Santa  
Rosa evening of Saturday Aug. 25.  
Slept in deck chair. Accompanied on  
trip by Mrs. McWilliam.

Aug. 26

Arrived at Port Bolivar about 9<sup>00</sup>  
and remained about 3 hours.

I rode on a little railroad  
4 miles and walked back making  
a collection. Arrived at Santa  
Rosa about 8<sup>00</sup> and remained  
at the company's store rooms  
over night.

Aug. 27

Started for Portonelo (the

gold mine). The company  
provided 2 animals & we provided  
2 actors. Remained over night  
at the company's store houses.

Aug. 28

Passed over a severe trail  
quite muddy in places - good  
collecting. Arrived at the  
mine before dark.

29 - Sept 1

At the mine (Portonelo), good  
quartzes. On 30 & 31 had horses  
and made collections in evening.  
Had accident with lamp and  
burned a press full of plants  
destroying straps, press, corrugated  
paper & boxes. Some of the plants  
were saved and actors recollected.  
Went down into the mine with  
Mr. Kellogg the superintendent.

Sept. 2

Started for Loja. Had 2  
saddle horses & 2 camp animals.  
The driver also rode. The first



night was spent at El  
Tambo - a shelter where I put  
up my cot. We carried food  
& got hot water - sometimes  
milk & eggs.

Sept 3.  
En route to Loja. Spent night  
at Látoma

Sept 4  
Arrived at Loja before dark.

Sept 5  
Spent day at Loja drying  
plants.

Sept 6  
En route to Cuenca. Spent  
first night at San Lucas.

Sept 7  
En route to Cuenca. Reached  
Cuenca.

Sept 8  
Spent day at Cuenca. Some sun  
trouble and could not  
dry plants.

Sept 9  
En route to Cuenca. Spent

night on paramo at 11,000 feet  
found a green covered mired  
shelter. Collecting good. Usual  
stopping place is Nabon but this  
would not give him enough for  
collecting on the paramo.

Sept 10  
Arrived at Cuenca before  
dark, the mules nearly exhausted.

Sept 11  
Spent day at Cuenca drying  
plants. As I had no corrugated  
paper, we had flat strips  
made at Loja to place between  
driers. These worked fairly  
well. Could not get all day  
long finished everything up to  
Loja.

Sept 12  
En route to Duran. Spent night  
on paramo beyond Tambo  
at 11,000 ft. Took auto from  
Cuenca to Babian & mules from  
there.



Sept. 13

Collected good amount of  
things before dark

Sept 14

Mr. McWilliam took train  
for Quito. I spent day drying  
plants. Had accident with  
stone and not much damage  
done.

Sept 15

I went to Guayaquil. Got mail  
at Dr. Godin's.

Sept 16-18

At Guayaquil drying remainder  
of plants. I bought a new  
stone as the old one was  
giving trouble. Took things to  
Dr. Godin's office.

Sept 17

Mr. Wicks to Ambato

Sept 20

Arrived at Ambato. Visited  
the Montalvo brothers (letter from  
Papenre) and Mr. Martinez

of the Quinta Normal (letter  
from Papenre).

Sept. 21

Collected along Pz toward  
Prohombre getting 46 numbers.  
Received package of paper which  
I had left in Quito.

Sept 22\*

In company with Mr. McWilliam  
I started for the Concha. Two  
riding horses and a cargo  
horse (also the owner of the horses  
riding a fourth horse, he looking  
after the cargo. We arrived at  
Baños in the evening. We made  
no collections until the return trip.  
Visited the hot spring.

Sept 23

Continued toward Mora. The owner of  
the horses hired a young man  
to go on with me and himself  
returned to Ambato. We also

\* Sept. 22. Mr. McWilliam arrived on horse from  
Cultra Friday evening. Saturday I dried the plants  
collected and prepared for the trip to Ambato.



hired a second boy to help  
us collect and to help with  
the pack. From Umbato to  
Baños the road is good, not  
much fall - Baños 6000 ft.  
The vegetation is about the  
same as around Umbato -  
dry. Not before reaching  
Baños the river cuts a  
deep gorge and the scenery  
is beautiful. From Baños  
on the road is good and  
the scenery beautiful. The  
road follows the gorge of  
the river. There is a fall  
below Baños. The climate  
becomes more moist, there  
is an increasing amount of  
rain and the vegetation soon  
becomes tropical. The  
German Exploration Co. has  
constructed a good trail  
to CASHUCCO - some muddy  
spots but in the main a good

road. We arrived at CASHUCCO  
about 8:00 p.m. There is a  
good rest house here. The  
road was reported to be very  
bad from here to MORA, so we  
decided to remain here for the  
night and return in the  
morning. We collected until  
dark. I put up my cot & the W  
slept on the floor. The building  
has a split bamboo floor on  
the second story - no stairs - a steep  
roof - even saw only the ground with  
the supporting pillars of the building.

Sept 25  
Collected on the return made  
a large collection - 5 bundles  
Reached Baños for night.  
Fortunately no rain. Several  
showers on the preceding day.

Sept 26  
Continued the return reaching  
Umbato in the evening.



Sept 27

Returned to Quito

Sept 28-30

Remained most of the time in the hotel drying the large collection of plants. Bought a wool poncho, sent letters to Frank & Gagnepain (written in Ambato)

Oct 1

Mr. Duane & I called at Amer. Legation on way to see Father Miller at Cotacallas. While at the Legation Father Miller called to send in the Legation mail a package of plants to Mr. Killip in Washington. We are to meet Father Miller at 2 o'clock to examine the Sodiro Herbarium. Spent the afternoon in herbarium examining the grasses. Father Miller allowed me to select a set of duplicates. The herbarium is at the Colegio de San

Gabriel. Here are Sodiro's collection & also some of Father Miller's. There are usually unmounted (& some mounted) duplicates distributed with the specimens. The College wants to sell plants & will pay \$10.00 per set for the duplicates, took 80 specimens. They would undoubtedly sell a complete set of duplicates.

Oct 2

Spent the forenoon at the herbarium and sorted the grasses. I checked off the species in Sodiro's list. Some species were not found. There may be at the University of Quito. In afternoon we made a walk over the professor in charge made an appointment for 10 o'clock the next day.



which were very interesting  
in places. In the afternoon  
called on Mr. Johnston  
and saw some sections of it.  
In evening called on Mrs. Mac,  
Oct 3

En route to Urbana, arrived  
4<sup>30</sup>. Mr. Smith took us to  
Mr. Williams had spoken to  
the agent here who permitted  
me to stop in the station bldg.  
There were 4 sleeping cars, all  
are the same, the back room  
being used by the men for  
a living & sleeping room.

I put up my cot. Under the  
pad & put two white sacks.  
Over me I had blanket, nose-  
blanket, wool parcels & rain  
parcels. I slept in my coat  
under me, wool shirt  
under me, leather vest, heavy coat  
sacks & kid slippers. Was none  
too warm. Urbana is on a

prairie, 1187 (ft) is very  
plain, and is the highest  
point on the G. & Q. road.  
A hut next door houses  
the section boss & family  
and some workmen. The  
section gave me hot water  
& eggs. I furnished sugar &  
crackers & condensed milk.

Oct 4  
With a pack to carry my  
pump I set out at 6<sup>00</sup> for  
Chickadee. Walked steadily for  
3 hours & then rested 15 minutes.  
At about 11<sup>00</sup> reached the  
limit of vegetation at about  
1500 ft. Collected on the  
return reaching Urbana at 5<sup>30</sup>  
The neighboring ridges snow  
seemed to be at about the  
1500 ft level, stretching down  
in places. The main snow  
field is higher, probably 1000 ft  
higher. Many species are  
the same as on Pritchard



Oct 5

Spent the ~~previous~~ evening  
along the Ry route of ~~work~~  
on the 2 days yet 113 minutes  
in the afternoon packed up &  
took notes on a variety of col-  
lections. Left for ~~manila~~  
about 6:00

Oct 6

En route to ~~Manila~~ ~~Agut~~ -

Oct 7

Spent day (Sunday) trying  
the ~~Manila~~ collection.

Oct 8

Find there is a Peruvian  
boat on Oct 11 which I hope  
to enter. Fast day 8-9-10 -  
Hope to arrange matters  
however.

Oct 9

Packing in morning. Separating  
things at Dr G's office  
Afternoon prepared account  
for 1st quarter - Temp. Sp.  
Disburs. Agent.

Oct 10

Mr McWilliam helped  
get things from Dr G's office  
to hotel & from hotel to Dr  
G's office. Things to go to Peru  
at hotel - things to return to  
H.S. at Dr G's office. Packed  
things at hotel. Called on  
Anglin in evening.

Oct 11

Fast business day of week  
All afternoon, 8-10, fast days.  
(12 things 8/13 also fast day)  
Mr McW. helped. Brought  
box to hotel rent of places.  
Remnants of paper given to  
Mr McW. & used both  
trunk - boxes for places.  
Since there are 2 trunks  
(Museum trunk & new square  
trunk) and 3 boxes to be shipped  
to H.S. Left the shipping in  
charge of Mr McW & Dr G.  
Will go over Peruvian by boat



Next week. Dr S got a  
 price given me for  
 taking the boxes to boat  
 (Dr S offers to deliver &  
 deliver to steamer). Paul  
 Dr S. the 12<sup>th</sup> sales for the  
 Left on my way home.

addressed U.S. Department of  
 Agriculture, Washington D.C.,  
 Care of Room, Legation, New York.  
 A.D. Hitchcock. The 3 blank pages  
 but blanks for bill of lading  
 (11 boxes - 25 cwt each)  
 at the agent of Pan. Ry Co., Guzman  
 and wrapped with them  
 to keep them correct.

More prudent, packing my stuff.  
 We got permit to sell - bank  
 at office of P.O. and 20<sup>80</sup>  
 taken to Government's office filled &  
 signed by Government, 2 photos  
 attached.

Had visit at Peruvian  
 Consulate office (said to be neces-  
 sary which I had use at N.Y.)

Then got (Cable, Ser. 225.30  
 Got funds at bank,  
 I had no expense \$1400.00  
 Got in of change as follows  
 Draft on New York \$1158.  
 Surplus @ 5<sup>00</sup> (5300<sup>00</sup>) 60.  
 American bills (105 + 203) 100.  
 20 Peruvian pounds (10 sales) 82.  
 \$1400

Then also gave the and  
 transfer its value from  
 the same in payment of  
 200<sup>00</sup> borrowed by me 200.

drafts on N.Y. -  
 and transfer its value  
 from Washington  
 6 of \$100 600.00  
 4 of 50 200.00 800.

Cash Amer. bill 20  
 " 2-5 100 Ecuador bills  
 exchanged here in Lima for 80 soles

\* Amer. Express at 50-50-20-20- 180  
 Amer. Bankers Assoc at 20-20-20 60  
 200



Returned 3 capsules of serum for bacil-  
lary dysentery & received full value (245)  
at drug store.

Reached some shore at Gran's  
went on board boat 4:30  
sailed 4 AM. the next  
morning.

in route. Weather cool  
Had to put on my sweater.  
My nose is in my trunk! Not seasick!

Oct 13  
Arrived at Paita in morning.  
Went ashore for an hour or  
two. The driest place I ever  
saw. Absolutely no vegetation  
not even a lichen and  
no indication of vegetation  
at other times of the year. No  
dried remains of plants - an  
absolute desert! Mud & shells  
in a layer of a sort of conglomer-  
ate at an upper level  
showing I suppose that the  
coast is rising. Left about  
noon.

Oct 14  
at Paita in the morning. Did  
not venture as we were anchored  
so far out. Could see at distance  
with glass trees, probably a river  
as the coast seemed very barren.  
Still cool - haven't been sweating.

Stopped at Elora + <sup>cab</sup> ~~at~~ mayo  
(spelling?) but I did not land.

Oct 15  
This morning at <sup>Salaverry</sup> ~~from~~ saw  
a wonderful sight. A constant  
stream of humming the surface of  
the water going north just outside  
the rocks on the shore off shore.  
When I crossed the stream was  
going to probably had been going  
since before. Is still as strong as  
ever (8:30). Stopped at

Salaverry  
Chimbo  
Samanco  
Casma



Oct 16  
 Stopped at  
 Huarmey  
 Supl  
 machos. but I did not land

Oct 17  
 Arrived at Callao in early  
 morning. Got car on shore above  
 to collect. Landed to shore. A man  
 to charge of baggage and landed it  
 at hotel. 2 trunks, 3 bags, valise &  
 carryall. self in another launch, landed  
 at his own house. Presented my  
 letter to custom official. No exam-  
 ination and no charges. Took train  
 to Lima (Desamparados Station), train  
 every half hour about half hour hour.  
 Cost 2 cents 1<sup>st</sup> class. Baggage was weighed  
 cost 3<sup>95</sup> (paid by government). Cost for  
 baggage to hotel. Total cost 21<sup>00</sup> soles

2 trunks @ 5 <sup>00</sup>	=	10.00
4 bags @ 2 <sup>50</sup>		10.00
self		1.00
Tip by taxi		0.00

Got much more @ 10<sup>00</sup> 5 per day in  
 Room well furnished, no bath or toilet in

meals included.  
 Called at Amer. Embassy. Poincy  
 at Quintos. Saw Secretary Pabst. Called on  
 Amer. Consul, Gurgant. He went with  
 me to see the American Minister or chief of  
 Public instruction. Bought map of Peru  
 and plan of Lima, each 2 soles.  
 Went to Police head quarters to get my  
 passport which had been taken from  
 me on the ship. Mr. Croone (Public instr.)  
 took my letter to Mr. Valero Vivanco  
 for delivery. (Albert's friend's brother)

Oct 18  
 Went to bank, deposited the  
 N.Y. draft for 115<sup>00</sup>. Drew out  
 15<sup>00</sup> in soles 376.38 with the in-  
 terest of getting a letter of credit  
 on my return from the Secre-  
 tary for 1000<sup>00</sup> (5<sup>00</sup> premium). The bank  
 would not change my 200 soles  
 nor would a money changer. A  
 silver money changer gave me  
 80 soles. Called at the Toribio's  
 office. Walsey told me he was there.  
 Called on Dr. Croone. He went with  
 me to get a letter from the Correo  
 de Pisco Copper Co to stop at



the company's hotel in Cuzco de Potos.  
Dr. Hesseck of Brown's office  
got me a copy of *Historia*  
*Flora y Fauna* (part 1, second  
part now being published).  
Dr. Giverson called on me at  
hotel. When, when we will  
go with me to visit Rinto &  
see collections, called on  
German Corporation & got  
letter w/ Mr. R. P. (very good) Supr.  
Cuzco de Potos Corporation.

Supl. de la Colonia del Potos  
at La Merced (Machamayo).  
I may call there & I have time.  
Dr. Giverson called on Dr.  
Weberbauer but he was in.  
Arranged to have auto call  
for me in morning & take  
Lima & 2 pes hand bag up  
- self to room - 5 soles

Oct 19  
Left hotel at 6 am. Had to pay  
another man 1 1/2 soles to take  
back to baggage room, & small  
piece (2) to train. Arrived at  
Oroya at 5:30. At 3<sup>00</sup> we  
went over the divide by passing  
through a tunnel (3857 ft long).  
The highest point 51568 ft  
at Yalera, east end of tunnel,  
172 km from Callao. The  
passage ascends to nearly 16000  
ft in about 100 miles and 8 hours.  
There is a gradual ascent above  
the coastal plain (Lima 511 ft  
19 km from Callao) and then  
up a valley to summit. There are  
65 tunnels, 10 of them more  
than 500 ft. There are 21  
switch-backs or zig-zags on  
the road including the bridge at  
Oroya and 61 bridges. Alto-  
gether it is a remarkable mountain  
road with gravel scenery. The  
summit ridge runs 1 to 2000 ft  
across the peaks being now capped



and 17-18000 ft. There appear  
to be no very high peaks in  
the vicinity. The main ridges higher  
than in Ecuador but the individual  
peaks not so high. The  
coastal plain and the western  
slope of the mountains are barren &  
deep in the irrigated valleys. As  
an approach to some reg-  
ulation of xerophytic nature appears.  
There are many cactuses (not many  
species). Toward the same grass  
appears. At Salera the grass flora  
was abundant, but this is  
on the east slope. The west slope  
to Oraya has much more veg-  
etation but as this is only the  
beginning of the wet season the  
grass is dry. At Salera it  
looked in good condition because  
of the high altitude. Vegetation  
appeared to go up to as much as  
17000 feet. There was more  
in places at 15000 ft but not  
permanent. Through the country  
of the Cerro de Pasco Copper Co

I am stopping at the Company  
hotel and am very comfortable.  
Have American looking & an  
electric stove in room.  
I was told that McBride  
was here about 2 weeks  
ago on his way home.

Oct 20  
Called on Mr. Collie  
in charge of the Smelting  
Plant at Oraya. He was  
very nice. Had Mr. Brown  
show me over the works.  
Copper (with silver) is  
smelted. The ore comes from  
the Cerro de Pasco mines.  
The crude copper in ingots  
is shipped to New York for  
refining.

Mr. Collie made arrange-  
ments for me to go to Tarma  
2 weeks. The auto bus  
about 1<sup>00</sup>. Arrived at Tarma  
at 3<sup>00</sup>. Took another auto bus  
for La Merced  
started about 3<sup>00</sup>



The road is through a precipitous valley on canyon cut out of the side of the slope - a good road with even grade and few bumps. It is only wide enough for one auto but trucks can not pass. About a foot on each side of tracks. Went up one day and down the next. It was the spookiest ride I ever took. The driver came down at 25-30 or even 35 miles an hour. There is scarcely 10 feet of straight road. Taking these curves at this rate was hair-raising - cliff on one side - precipice on the other. So long as the driver has control of the car every day & all night but - !

We arrived at La Merced about 11<sup>00</sup> pm. Most of the distance was in the rain and after dark. One of the passengers - a man suddenly - about 5<sup>40</sup> became greatly excited. He developed that he had just discovered the ivory from his pocket of a package containing 80 pounds (= 800 soles or about \$20 dollars). We turned and came up hill trying to see if the package could be found along side the road. Several people were met or passed usually driving loaded mules. In each case he compelled them to submit to search but all in vain. No package was found. After dark and in the rain we finally turned forward again. It took us an hour to go down to the place we turned back, so we lost about 3 hours.



Spaid only night on La  
Alt. 21

Mixed and got a mule  
to take me to Colonia Perene.  
A boy came about to show  
me the way and to bring the  
mule back. Left at 8  
around at 10<sup>00</sup>. Collected  
quizzes on the way. Made 5 sales  
by 5 sales. I had a letter from  
the Governor of the main office  
on Lima which I presented  
and men taken in as a guest  
one of the employees was a  
Scottish man - interpreted.

The Perene Colony is a  
hacienda for growing coffee  
altitude (at office) 530 miles  
nearly 2000 feet. They have  
1,600,000 coffee trees.

They grow guinea grass which  
they call *Paina*. They also  
grow *Andropogon* which appears  
to be the same as grown by  
Mr. Cleveland at Teresopolis

<sup>called weedy mairillo</sup>  
Cecander. The roots were

taken from wild plants in  
the vicinity. I saw also the wild  
plants and have specimens.  
Not in flower at this season.  
Collected in the vicinity.

Alt 22

Went horse back to an outlying  
station leaving at 1<sup>00</sup> also  
collected in the afternoon

Alt 23

Collected in evening in the  
in the forenoon. I had ordered  
a horse to be brought from  
the Mireel for the return. They  
were around about 10<sup>00</sup>

Returned to La Mireel  
in the afternoon arriving at  
4<sup>00</sup>. Collected a little  
in the vicinity.

I got at Perene about  
50 species. Mostly common  
tropical species of lowlands.  
The interesting species were  
Olyra a Brazilian species



with several digitalis spikes  
the 4-6 in long spikes pinkish at  
end only. Buds black.

*Crucian, tuberculata* - apparently  
same as Hawaiian one  
found with a small  
specimen in the same  
specimen. The same as

specimen growing on rocks  
*Axonopus* (the species)  
rarely mentioned which  
is called locally *maicela*  
*Paspalum*. 2 or 3 species  
in the same place  
a sandy field

*Panicum* an annual  
sandy soil of the Philadelphia  
group

At La Morced I found  
growing in meadows a grass  
2 sp of *Eragrostis* that I  
don't know, found *Crucian*  
*tuberculata* again. I don't  
at Perene there is another  
*Crucian* which may be *C.*  
*crucian*.

Tamayo is about 12000 to the  
base La Morced about 2000 to the  
fall is 10000 ft. Perene is on  
the east slope of the mountain  
and may be considered in the  
upper part of the Umayo Valley  
The forested part of the mountain  
is called Montañas, the  
high unforested part the  
Sierra.

In getting to Perene one  
has to cross a river which  
flows by the office. Formerly  
there was a bridge but  
it has been washed away.  
Now one must go up the river  
about 1 1/2 to 2 miles to a bridge &  
back on the other side.

There is a "mura" (cable bridge)  
near the office for transporting  
people and small articles.  
The platform is supported on  
2 cables and drawn over by  
a small cable mechanism.

The manager is Mr Valle-Riestra  
He has promised to collect  
some garden plants & send them



to us for naming. They are both intelligent people.

(Oct. 24)

Left La Merced about 8<sup>00</sup> am. For awhile the road goes through village and cultivated valley without much ascent. In one of the fields I found a species of *Cleactylus* with retrorse bristles - may be *C. scandens*. Then the road began to ascend through the narrow steep valley described before. The ride seemed less dangerous in the daylight. Furthermore I found the speedometer read in kilometers instead of miles. (1 km = .6 mile). We went up at 20-25 km per hour. Whenever the auto stopped for water etc. I went on ahead and made a pretty good collection in this way. Arrived at Pampa at 4<sup>00</sup> and had a day

like one night. I find there is a strike on the Central Railroad. After arrival I went immediately out to collect. Found a hill that was very favorable. It was a dry hill with cactus and would have plenty of grass in the rainy season. There was a small irrigation ditch part way up. The seepage from this gave sufficient moisture to support some species of grass in places. The cactus here had a small round with little separable long-spined joints. Was all the time getting into my shoes hands etc.

Interesting plants.

*Upl. menis* apparently. By cliffs found a few in flower in some places (2153)

*Erinselin*, a species I have not seen. Abundant. (2160)

*Stipa* (mercurialis?) (2161) and *husella* (2162) were abundant on hills



Multituberculata with slender people  
possibly abundant on hills. (2165)  
Bouteloua. a prostrate annual (2165)  
Lycium? (2169) Fruit blackish green  
in S.A. may be Multituberculata  
Eragrostis (2162) with black  
points - narrow, nearly smooth siliques  
is common & I saw in Ecuador  
abundant.

Oct. 25

Came up to Croya in  
the forenoon. There is a strike  
on the Central of Peru (Lima to  
Croya and Huancayo) and no  
trains are running here - no  
flow of passengers. Took the  
auto from 30 soles to take me.  
In the afternoon I went out collecting.  
It rained very dry around here  
and I didn't expect to get  
much. I was surprised to  
find several new species  
along the river bottom  
which were very moist -

were but about 15 species  
then additional to what I  
had got before. 2 Poas, 2  
Zosteris, hemicentrus, Stipos, etc.  
Mr Colley (alias Gen. Warrington) here  
returns tonight and I will see  
him in the morning about  
going to a ranch above here.  
Becoming of the strike I don't  
know when I can get back  
to Lima. If it moves and  
I stopped before I came up here  
I might have had to omit  
this trip altogether. The Corro  
de Pasco is not affected  
by the strike so I can go to  
Cdr P. I have seen several  
herds of llamas.

Oct 26

This morning I went to Mr Colley's  
office. He will arrange for my  
trip to the ranch. In the  
afternoon I called again.  
I am to go tomorrow on the 4:00  
o'clock train to Lima. He has  
telegraphed and a horse will



meet me. I can take only  
a small amount of baggage.  
In the forenoon I walked  
along the track towards Huancayo  
for 3 km but saw no passes -  
too dry. I have been getting my  
plants dry by drying the papers  
of the electric stove in my room.  
All the rooms at the hotel offices  
are heated by electric stoves.  
I am separating my baggage.  
I will take everything to Cerro  
de Pasco, but will leave it  
at Junin until I return from  
the ranch. I will take my  
large camera.

Oct 27

Separated my things putting  
in my steamer trunk what I  
wanted for Cerro de Pasco  
in one of the white sacks what  
I needed at the ranch. A few  
things I put in my valise and  
two bundles of plants in the

carrying all, leaving the two (valises  
& c- all, at the Hotel, I took also  
my large camera and my  
light press with all the paper  
, and left. I was using more  
paper than I calculated, so  
I went through the bundles already  
calculated and cut the papers  
in two. So doubling the supply.  
The train was due to leave for  
11<sup>00</sup>. Carriers came for my trunk  
& bag (I carrying the camera). I was  
told to pay them 80 cs. (50 + 30) & they  
carried them 1/2 mile. At Junin  
the man wanted 2 sales for  
taking trunk & 2 hand pieces  
to baggage room & train.

Mr. Rizo-Patron (U.) gave me  
a letter to Mr. McKenzie, manager  
of the ranch (Atoesaico), one to  
his brother <sup>(C. Rizo-Patronic)</sup> at the ranch, and  
one to the station agent at  
Junin. He also introduced me  
to Mr. Gardner, the conductor



on the train. The train was  
late and started about 1<sup>00</sup>.  
Good 1<sup>st</sup> class coach with Hutchinson  
Light meals served. I took  
Copper & Warr (20 + 40) 60 cr. = 24 cents.  
A narrow table is put in front of one  
at the regular seats - like a narrower  
card table. We kept going up over  
sawmills - some grassy plains or  
hills. Arrived a fine place about  
3<sup>00</sup>. Peculiar place because  
all the lots are divided by stone  
walls & kept high - no trees or  
shrubs and the little timbered  
stone houses scattered around  
in these fenced lots. The man  
from the ranch was there  
with a horse. I left the  
baggage and carried the rest.  
I took the pieces & my packages  
making my dinner & tea  
here. The man took the camera  
& the few things in the sack were  
divided between the two men.

I put over the horse.  
It is about 2 hours ride (4 leagues  
just) to the ranch house.  
In a short time after  
leaving a storm came up  
first rain and then sleet  
I put on my ponchos (I had my  
gloves on too). The sleet was as  
big as buck shot. The storm  
passed over and there was  
thunder. We arrived about  
dark. Mr McKemie (Scotch), Mr  
Macdonald (Scotch) and Mr C. Rigo-  
Paton, were there. We had supper  
at 7<sup>00</sup> and talked till 9<sup>00</sup>.  
The Scotch is nearly as hard  
for me to understand as is the  
Spanish. I have a nice clean  
room. It is cold. There was  
fire in a stove in the office where  
we sat. They are to have electric  
light in the rooms but the con-  
nections are not yet made.  
They piled on the cover on my



enough to maintain myself.  
Then they put a hot water  
bottle at the foot. In about  
an hour I got up & put on  
my wool underwear (I had had  
on my pajamas). At 3<sup>00</sup> I got  
up & put on my wool shirt  
I was now warm. Being  
suddenly moving people stop  
late

Oct 18

I got up at 8<sup>00</sup> - no one else  
(but servants) up. The servant  
gave me breakfast coffee  
& oat meal. The last was the  
best I have had since leaving  
home - rich cream!

In the forenoon I took some  
photos of the ranch houses &  
Mr McRae showed me  
through the buildings.

The ranch contains 11,000 acres  
and is devoted primarily to sheep raising  
for wool. They keep 30-35,000 sheep

about 11,000 cattle & some horses. The sheep  
graze to grass around & there is plenty  
of running water. There is an electric power  
house supplied by water power. The windmills  
are kept from there and the wool press  
is run - also a small circular saw.

The dip the sheep & vaccinate the cattle  
for black leg. The fencing equipment  
and outfit is up to date and in good  
condition. The grazing is good  
they allow 2 sheep = 3 acres and con-  
sider 1 head cattle = 7 sheep. They produce  
about 60 lbs of wool per year, is a  
by-product there are the skins of all dead  
sheep and the skins of sheep are sold  
for mutton. The sheep suffer from  
foxes & coyotes. These are shot and  
a bounty allowed. The labor is Indian  
& in the form mostly of tenant farmers.  
The quality of the sheep is kept up by  
importing 50 rams from Argentina  
every 3<sup>rd</sup> year. As there are no  
trees on the place timber must be  
purchased. All the are bought



from the rail road using the Cheepari  
Bower. Some are of Oregon fir and  
the defective wood is removed leaving  
a good inside. Poles are brought up  
from Tacoma to be used for secondary  
posts. The principal fuel is peat made  
from turf. They make their own lime  
from the abundant native limestone.  
The fuel for the kilns is sheep manure.  
From the lime they make cement  
for stone walls & building. The hearing  
is done by hand as machine shears  
leave the sheep too close shorn for this  
cold climate.

In the afternoon I collected in the  
vicinity of the ranch house getting about  
15 species. It is the wrong season  
(the end of the dry season & the  
grasses are mostly not in flower).  
By searching I came after some  
flowering shoots as strays.  
There is very little other vegetation  
after the grass. On the hills  
the dominant grass is a bunch grass

(Festuca) with stiff exserted blades  
1-2 ft long. I got specimens of  
a leguminous plant that they  
said gave symptoms similar to  
those of our loco-weed. It is an  
allied plant. Grows on the  
bottom land in small bunches -  
blue flowers. Terrible only  
when the grass is lacking.

Oct 24-

I accompanied Mr McKee  
and the others to a sheep  
camp a few miles to the  
west where a flock of  
sheep were some with a  
caca. The bunches were camped  
and the air out of it was  
magnificent and the males collected  
While this was going on I  
took some pictures and  
collected a few things.  
The party then moved  
on to another camp and  
the process repeated.



I took more pictures & collected a few minutes.  
I got pictures of a gregarious  
very much callus with gl-  
low flowers. The plants form  
colonies several feet in diam-  
eter and a foot or two high  
very white - mostly conspic-  
uous at some distance.

It is very springy as I can  
assure. I stumbled and  
felt striking me and a  
ghost the man sticking  
me badly.

This only plant of some  
special interest was  
a minute tiny ferny little  
branches or perhaps, more or  
less gregarious in some soil.  
The blades are less than an  
inch long and the petioles  
bearing a single spatulate  
segment. I'll call the leaves.

The single flower white-pinkish  
I have seen this in the  
Llanos but I do not

remember the name

In the evening we (McLeod, Ryo-Polmer and myself)  
played high casino the first  
time I have ever played this.  
Result 2 to 2. (Ryo-Polmer  
being my partner. We had 4  
matches today. I ate a hearty  
breakfast, oatmeal and cream,  
milk and eggs, but 2 cups of  
tea we had lunch in the hall  
at 12<sup>00</sup>. Dinner at the house  
at about 5<sup>00</sup> and another  
dinner at 8<sup>30</sup>.

Oct. 30

Took pictures of turf pile & of stone  
but & the ship dipping plane. The  
we started for Lima. Mr McLeod  
accompanied me. We passed through  
a sheet stone. I took a picture of  
some houses at the station.  
The train left about 2<sup>00</sup> and  
I arrived at Cerro de Pasco  
about 5<sup>00</sup>. In the morning we



Mr. Kempier since moved to  
Mr. Colley that I was going to  
Mr. C. Litzke & the Philpott  
Suppl. here. So there was a  
room for me at the Conception  
Hotel, I could not get my baggage  
homenum till the next morning.  
I had put all my stuff from the  
ranch into the sack & sent it  
along with the trunk by baggage.  
So I had not so much as  
a comb last night. I went  
down to the Club in the evening  
and read. They have a good  
assortment of magazines.  
The rooms are heated with  
hot water.

Cerro de Poso is a cold  
bleak place - 14000 ft alt.  
On the road we passed  
over a level plain for  
many miles, several miles  
wide, about 3000 ft.

Oct 31.  
Called on Mr. Philpott  
& presented my letter from the  
Lima office & my Sept. Alphabet.  
My baggage was in my room when  
I returned. So I went out  
collecting. I did not get far  
before noon. Up to noon  
took 5 pictures (5x7) and  
fixed up my plants & also those  
I got at the ranch. By that  
time it looked so much  
like home that I did not  
go out again. Stuck still on

When I went out this  
morning I had on my thick cotton  
underwear, my heavy wool under-  
shirt, my flannel shirt, my wool sweater,  
my gray wool shirt and my  
thick vest. This morning I put  
on my heavy suit with vest  
and took of the flannel vest.

I am not troubled with  
sore throat (mountain sickness)  
The Philpott says that 8 or 10  
suffer from it when they first



come here but 75% of them  
got out in a few days.  
I have shortness of breath  
when I exert myself. I also  
note a slight nervousness  
as if I had taken strong coffee.  
And I find myself even at  
rest taking a very small  
at intervals as if I were not  
getting over enough.

There are snow covered  
mountains in the distance  
to the west. These run up to  
16-17000 ft.

An interesting game here is  
the one described from the  
cave (near Mukluh Lake). It is  
very abundant here covering  
entire hills forming with  
hillsides or patches. If I sit  
down on one or kneel on one  
the little plants stick into the cloth.

I have not written home since  
I left Lima a few days ago.

While under there is some prospect  
of getting a better change.  
Now!

Started out collecting  
at 7<sup>30</sup>. Went south along the  
main road followed by the  
Ry (at 14<sup>30</sup>). Found a few things.  
By constant inspection I was  
able to get a few more of the  
species. I had seen only 10 for  
you for much use. In the  
afternoon I took notes and  
tried to dry my papers but with  
little success as it rained a  
drenched most of the time. I now  
have the papers spread around in  
my room, hoping they will  
partially dry. I have made ar-  
rangements with Mr. Phillips  
for a mule & pack to go to  
La Quimara, 2 hours ride &  
3000 ft lower.

There is a train from Lima  
today under guard of soldiers.  
Quimara



It is said to have reached  
Casapalca tonight (just west  
of the divide). It is hoped that  
train service will soon be es-  
tablished.

Nov 2

Started at 8<sup>00</sup> for La Quinchua  
on mule with guide on horse.

I carried my small camera.  
He put my press. It was raining,  
& continued to rain at intervals  
all day. Snow (about 3 in) after  
leaving. We rode the road down  
down through a valley, narrow  
& deep to La Quinchua, about 10  
km from Corro de Pado. The road  
is good, is soon as the road  
had dropped to the rocky cliffs.  
I commenced collecting & got  
several things new but not  
of special interest. There are  
so many species of *Calamagrostis*  
*Holcus* & that I cannot tell  
what one of interest will study

also. It seems evidence that  
the number of species in this group  
is large and one cannot say  
a priori that the new species  
of *Calamagrostis* & *Holcus* are too many.

We passed some interesting  
runs of ore mules operated  
by the Spaniards. There were of  
circular mounds of stone 5 ft or so  
high & 30 ft across, piled up  
down. While passing a heavy  
stone roller & left across & a few  
times was rolled round a wheel  
shaft, pulled by animals. The  
one was thrown on the floor  
& crushed. I took a picture  
of one group containing one 3  
of the enclosures close together.  
The old rollers are numerous,  
scattered here & there.

I took lunch with Mr Wright  
in charge of a gold mine at La  
Quinchua, to whom I had a letter.  
We arrived at 11<sup>30</sup> & left at 3<sup>30</sup>



Thompson collected down  
the river from the town.

The yellow bag took 3 hours.  
It rained (drizzled) most of the  
time and I was thrown for-  
thwarted by the rain & got wet, but  
threw up. I had one heavy cotton  
undercoat, heavy wool undercoat,  
flannels, wool sweater, wool shirt,  
vest, wool-lined leather vest, and  
panda. - 7 layers!

Nov. 3.

I have not gone out today  
driving my whole time is  
driving. I have on board all  
my collections but at the ranch  
working day, & more plants than  
before. The sun has shone  
intermittently for a few minutes  
at a time but with occasional  
light showers so that I  
have been unable to get my  
papers thoroughly dry. The room  
is heated by steam but the heat

is not much over 70° at 11 pm  
& only a little warmer as it goes  
lower a little warmer in the  
the room, comfortable. Last  
night I found the papers all over  
the room & got them out early  
this morning. I have not succeeded  
in getting them hot. The smells  
are now over the steam pipes  
I have no corrugated paper  
with me except some &  
a little at home. The weather  
is so cold that there is  
little danger of mould.

Nov. 4

Dried papers in the forenoon  
& washed in the afternoon  
in the evening made a stack  
of papers & found nearly all the  
plants dry. Took 3 pictures of  
this room - one of the shelves  
of (mould) on the wall back of the  
table, showing fairly well. The  
mould is large & the air is  
alarming



The center usually merging  
into one another soon.

Still no chance to return to train.  
A train sent out under guard  
of soldiers was derailed on return.  
I don't want to risk riding  
until train are safe.

Got the papers, morning today  
My lungs, evidently don't get  
all the air they need when

I am sitting quietly. I will  
suddenly feel a lack of air &  
will take a long breath.

At night I sometimes wake  
up gasping for breath. Espe-  
cially in the morning when I  
wake I will suddenly start as  
I gasp for more air. The  
barometric pressure is only  
about 17 instead of about 30  
at sea level. So the lungs  
are getting only about half  
what they are accustomed to.

Nov. 5

Dried plants, all day now. Packed  
up 80 boxes for Larisingga.

Nov. 6

Started at 7<sup>30</sup> taking large camera,  
press, pencil, notebook, black and  
white, vest, comb, tooth brush,  
mittens, collecting sheets, warm,  
jacket at 10<sup>30</sup>. Mr. Philpott had

telephoned and a young man  
was at the train to meet me.

When it over is call on the

medic in the morning. I was

assigned to good quarters -  
a cottage with kitchen (electric  
stove) sitting room (coal grate), bath  
room, stable. In the afternoon

Mr. Tweed & I went back  
down a track towards the  
river through a steep valley.

We got a goodly number of grass.  
In the evening he took me to the  
Club & showed me how to  
play English billiards.



Nov. 7

In Tuesday we went with me  
back to nearly point  
where an inclined cable car  
goes down 500 feet to a coal  
mine. Part way down we got  
off and collected then went  
to the bottom for more  
collecting. This valley is more  
moist and the passes were  
in fine ~~cat~~ condition. It  
was satisfactory collecting  
near I have been in Peru.  
We returned for lunch and  
I took the train for Cuzco at  
noon. After my return to  
Cuzco I put my plants in  
press and took the notes.

Nov 8

During the day I worked  
at drying the plants collected  
yesterday & the day before. The  
rest of the day I rested and took  
a 2-hour walk this fore-

noon through the town &  
beyond viewing by the extensive  
suburbs. I took a good view  
of the snow range to the west.  
I have decided to return to  
Cuzco tomorrow by the  
noon train. I may be able  
to catch a train for Lima  
on Saturday.

Nov 9

Packed trunk, bag and did  
other things preparatory to leaving.  
Left at 12<sup>30</sup>. Bell 8% sales  
(1% for trip to La Quinua). Thru  
at hotel 2 sales each for lodging  
& meals. Arrived at Cuzco at  
5<sup>00</sup>. Got baggage immediately  
& had it carried to hotel.  
Near that train house for Lima  
at 10<sup>00</sup> tomorrow. Got suit case  
that was left here and re-  
packed my things. Took steamer  
trunk & sack (mostly plants) for  
heavy baggage; suit case & carry all  
for hand baggage.



Nov. 10

said a married since  
getting my baggage to the  
station. We told the man  
up at 10<sup>12</sup>. I told him it was  
to go at 9<sup>00</sup> but probably  
would not start till 9<sup>30</sup>.

There was a large crowd  
at the station & much con-  
fusion. Finally I got my  
ticket and could send my  
baggage. I put the trunk  
baggage in the usual way  
& got off the train at the  
room for "baggage". I saw  
it put in a freight car along  
with a lot of other stuff  
that was being sent off.

The train did not actually  
go till 10<sup>10</sup>. Only passenger cars  
were in the train - 5, I think.

We arrived at Lima about  
7<sup>00</sup> - not an accident. The  
scenery along the road is

wonderful - the most wonder-  
ful, I think, that I have  
seen anywhere. As a boy  
wanted 2 sales to carry my  
two parents to an auto. I covered  
them myself. There was a grand  
ride for autos. A boy got  
me into one and the driver  
bought 2 sales (with heavy  
gold - 2 blocks away) I said  
I would pay the correct  
amount whatever that  
was and asked him  
how much was the tariff  
he said 50 cents but did  
not want to take one  
pennant for that. He would  
go for 1 sol but I got one  
and walked up my  
baggage was not very  
heavy. Got to hotel &  
with cheap room - 10  
sales, laundry (\$4.00).



Nov. 11. Sunday

I slept late as I was not  
troubled by gasping for breath.  
Saw the clerk my receipt for  
baggage to be sent up from  
the station. I then, after  
dinner, took a walk.  
The sky was clear & air  
cool - very delightful.  
Received message from  
Clerk saying the baggage was  
not arrived but will  
(probably) be down on  
Tuesday's train (Train  
runs up Monday & down  
Tuesday). There is a pretty  
letter of Josh! I expect to  
go on a train starting  
from Callao Wednesday  
afternoon. I plan to telegraph  
Mr. Kelley to see if he can  
help about the baggage.  
Later - I went down to the  
station towards evening and

found that a freight train  
had come in this afternoon  
from Oroya with baggage. Prob-  
ably my baggage is in it. It can  
not be obtained till "mañana"  
however.

Nov. 12

Busy day. 8<sup>30</sup> went to Banco  
to see about ticket on steamer.  
We could not complete  
arrangements till I got my bag-  
gage. Steamer goes at 6<sup>00</sup> p.m. With  
go. Went to Correo de Pasa Cappa  
to see the woman who had  
given me a letter so that I  
could use the Co's. notes  
at Callao & Oroya. 9<sup>30</sup> went  
to bank to see about my letter  
of credit - it is tomorrow.  
10<sup>00</sup> went to Mr. Eusebio to  
see about sending mail in  
Cable pouch & about Bolivian  
Customs. I see him tomorrow  
about the latter as he (the sec-



relating Embarras not yet  
back from Siquitas, is to see the  
Baltimore Minister 1030 Saw  
Mr. Combs to whom I had a  
letter from Mr. Queen of Toronto  
inquiry of the oil interests of Am.  
I lunch with him tomorrow.  
He will give me a letter to a  
man in La. Mr. 11<sup>00</sup> Went  
to German School to see  
Mr. Winkler. He meets me  
at 1<sup>00</sup>. 11<sup>30</sup> Returned to hotel  
& found the baggage had  
not come - rushed down to  
Station to see where it might  
get some result. Rushed  
up to see Smith but all  
had gone - lay off 11<sup>30</sup>-1<sup>30</sup>  
got home. Winkler came  
at 1<sup>00</sup> I took him over  
to C. de P. Co. Saw Crest  
but my map (which not there)  
and he took my receipt for  
baggage & said he would

look into the matter. Although  
times had been one and he  
might not be able to reach  
Chicago, I wanted to send  
one where the stuff was.  
Then went with Winkler  
in a bus to country & got  
about 12 species of grasses.  
Returned a little after 4<sup>00</sup> & found  
up & went to see Mr. Crest.  
He said my baggage was  
at the station & had been  
there in the morning! If  
the hotel man can not  
get it he will send a  
man tomorrow to pick up.  
Then at 5<sup>00</sup> went to Chamber  
of Deputies to see Sr. Vivanco  
the brother of Whitely's friend.  
He was very nice to me and  
showed me the Chamber of  
Deputies - in session and  
sent a man to take me  
to the Senate also in session



I met the President of the  
Senate and several other  
officials. Good.

Nov 13

At Rose Lake (8<sup>30</sup>). About 9<sup>30</sup>  
in group at the office  
about my mag. up to, which  
talking in car in trunk  
and back - a right for  
good eyes. Immediately  
I went to Grace St. West.  
purchased my steamer  
ticket (30<sup>00</sup>) presented  
one of the Bushman's  
checks (20<sup>00</sup>) for grove  
Dinner & added 10<sup>00</sup> Amer.  
Went to bank & put in  
order of credit. Then  
to All American Cable office  
& sent cable "Will, up to  
Cullin, Washington DC. Delayed  
message will reach Seattle. Pro-  
ceeding Hollandia via  
Ketchikan with "Express rate"

9<sup>15</sup> Sales. This will serve  
to notify the Chinese &  
other people, as my letters  
will not get there for  
2-4 weeks. Went to Embassy  
The said Mr. Munsie &  
Sullivan (Cullin) moved in  
on the same boat to Hollandia  
do & I could see some about  
Customs letter. Went to S. O. B. &  
in took me & another gentle-  
man to lunch - a fine one too.  
Bought lunch for wrapping  
plants took some for  
sent in Embassy mail. Returned  
to hotel and put up 2 pkgs  
guns and powder boxes.  
in post will arrive in morning.

Nov. 14

Visited Mr. Crook & Mr. Gieseke  
Packed my trunk & bags &  
put up a pkg of film  
& 4 pkgs - plants wrapped  
in cloth which I took



To Arrive yesterday to be  
sent in this sack.  
Arranged for baggage to be  
sent to boat. Dr. Weber-  
bauer came a little after  
11<sup>00</sup> as he had promised.  
We visited & I took him to  
lunch at the hotel. After this  
we went to the botanical garden  
(about 3<sup>00</sup>) took an electric  
car (with my suit case for  
Callao and went aboard  
the steamer. The Santa Ana  
(once known) is a fine steamer  
much better than the Panamanian  
or Cuban line. I thought  
I would visit the  
Museum to see and see the  
return to Panama from  
Callao for the operation  
an are called to see. The  
ship will be just come  
from the Santa Ana  
press N.Y.

Dr. Weberbauer is busily  
in the herbarium & I should  
be sure he had to earn  
money - probably (I infer  
from what he said) his income  
from Germany is cut off.  
He understands plants well.  
He has promised to sell  
us a set of duplicates of  
his papers. He is to get once  
a set of all his plants for  
the Field Museum & he will  
get a set of grasses for us  
at the same time. I also  
asked him to collect as  
many more as he could  
& we would buy them.  
I have asked Mrs. Chase  
to send him a set of  
my complete publications  
& to get him on the mailing  
list for C. H. B.  
Nov. 15

At San. left last night at 6<sup>00</sup>



A little blue self I didn't  
feel like doing much.  
My room mate is a funny  
Irishman - English. young  
Belmire.

Nov. 16

Arrived about 10<sup>30</sup> upon  
Wednesday. I went back  
aboard & went ashore  
about 2<sup>30</sup>. Most of the  
passengers caught the 1<sup>00</sup>  
train for Winnipeg. But  
I intended to stay till Sunday  
(no train Saturday) &  
Dr. Williamson said he  
thought I would give the  
hills a run in this time &  
give up & it would  
pay me to collect. I would  
see from the road that  
the hills were green &  
worthwhile to stay. I am  
in the Hotel Fenimore  
& have a bed room & sitting

room. As soon as my  
bags came (about 8<sup>15</sup>)  
I got my gun and went out  
S.E. of town. All along  
the coast the low hills are  
sandy over rocks and are  
absolutely dry & barren.  
The green seen from the boat  
commencing in the higher hills  
probably 2 miles back. But  
as I went up draws I  
began to find things.  
All were small animals  
including 2 grasshoppers - hoppers &  
grasshoppers (periwinkle?). Farther  
up were some periwinkles in  
climbing a cactus. I found  
a tufted periwinkle steps here  
and a small Cereus  
1-3 inches high that I do not  
recognize. Abundant in  
places but the largest I saw  
was about 3 inches tall. I will  
look for this again tomorrow



To see if it was large.  
There has suddenly been  
enough rain lately to  
start the corn. Nearly all  
are now producing seed &  
will soon pass off the stage.  
I am planning to go into the  
hills tomorrow.

Nov. 17

Started for the hills at 8<sup>15</sup>  
accompanied by a young  
man to carry my press &  
milk (milked by a native  
sudan). We returned at 5<sup>00</sup>.

We made for the green hills  
directly west of the city and 3-4  
miles away. After reaching  
the summit we could see  
that the green hills ex-  
tended further westward the  
interior and they seemed to  
be less green than those  
near the coast and north. I looked

very dry. Also the soil on the  
summit was more as if from  
recent precipitation. Some  
combination of conditions  
makes these hills more  
moist than others in the  
vicinity. The vegetation  
seemed to be up to maximum  
condition - everything in full  
bloom. Many annuals of  
short life time in permanent  
composure with flowers like  
a sunflower was dominant  
over much of the interior  
area. Another dominant  
plant was a yellow-  
flowered *Senecio* with  
striking leaves (one annual)  
in the petals (yellow) were  
replaced. Groups of flowers  
were enclosed in their as yet  
undrawn crown down  
to the styles. There were  
few grasses. The *Euphorbia* before



perennial

mentioned is common. Most  
sp of the plants appeared  
(2-flowered) or sometimes slender  
and more or less spicate.  
It was common in just the  
only low-lying pass, with  
interior hills is an annual  
Kallwin.

I collected 2 plant spec  
many of the flowering plants  
for Robinson & Britton. As the  
district is in flower only a  
short time the plants are  
not much obtained and  
may prove of interest, as

I had with me a lot of pens  
and a limited quantity of paper  
I could get only some spec-  
imens. I obtained 77 numbers.

No trees were seen & only  
about 3 species of shrub - these  
improvement to on the north  
slopes. One (Lodina?) was in  
flower. Two species of Cacti

with leaves

were seen. One columnar the other  
crowned & thinner in branches. There  
were no streams or water  
any kind. Sheep & cattle were  
being herded over the hills to  
take advantage of the veg-  
etation. I was told that  
they obtained water at a  
point to the north.

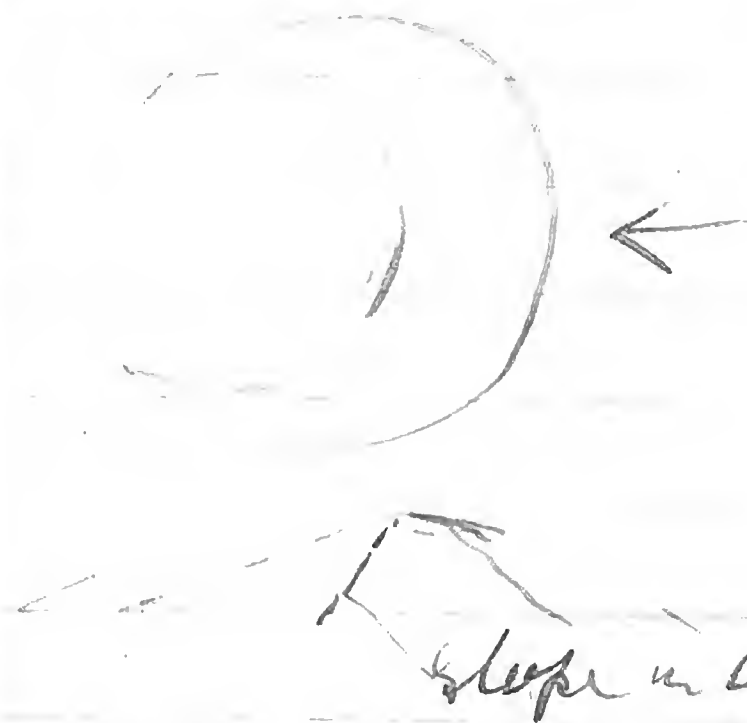
Nov 18

Spent the forenoon in packing  
Also took some 5x7 photos  
at the station in train  
for Arizapita. Paid 18 cts  
for baggage from station  
to Cuernavaca in lunch  
(5 pieces & self 12 cts each) &  
to hotel (dinner) and hotel  
to station (dinner). Express baggage  
(32 lbs. free) to Arizapita,  
\$1.00. The hotel + express  
was very satisfactory. I had  
a nice large room @ 5<sup>00</sup> - 5<sup>00</sup>  
per day. The baggage was



was very interesting. From foot-  
 hinged went for several miles  
 & then inland striking rapidly.  
 From the slope with dense  
 vegetation growing a dense  
 green color, then the green hills  
 like those back of Holland  
 with the yellow splashes of  
 the corn field (sorghum - etc.)  
 some places pink with one annual  
 malva. The vegetation very  
 abundant. After passing  
 the hills in lower on is a  
 plateau - desert - devoid  
 of vegetation. There were  
 many miles of this, a great  
 not ancient but appearing  
 newly level. Mostly brown  
 sand. Some capped seats  
 were seen in the distance.  
 I saw thousands of the curious  
 crescent-shaped some stones  
 of which I have read. There  
 were seen in the latter part of

the desert plain. They are  
 said to grow across the  
 plain - in the direction of  
 the wind - north or N.E. etc.  
 when the wind shifts & pointing  
 in the same direction & moving  
 about the same size.



slope in center

They were 10-15 ft high &  
 probably 100 ft across. The  
 wind was not blowing  
 today. Very curious!  
 At the station people  
 appeared for salt & clay  
 baskets with rope etc.



The climb up the green hills  
 was very tedious, full of curves.  
 After passing the plain we



for round up the valley or cañon  
of a river down to bridge,  
many curves. The very barren  
desolate view across the hills  
at one place on the plain  
I noticed scattered stones  
with a growth of *Artemisia*  
much like the one found at  
one of the up. of Tillamook.  
Some of the *Artemisia* also  
holding little mounds of  
sand.

Returning to the dam. The plain  
itself was of brown dirt, or  
sand, with the moving dam  
were much white. This set  
of the dam, conspicuous.

However at bridge up to  
with an auto a day later had  
nearly all the rooms  
were open and I went to  
the Hotel Costa-mex - 6th  
floor. I am going out to  
the observatory tomorrow  
morning.

at 8:30 went up to observatory in  
auto. Dr. Bailey in charge. Took  
some photos (5-7) there are  
3 mts near by Chacham 2000 ft  
at left, Mts, 19100 - center, Ichu-  
Pichu at right. 1500 ft. all snow-  
capped. Stayed to lunch & took  
a short walk with Dr. Bailey  
on stream near around the  
observatory. Distance about 400  
feet. Climbed up the Vivanco  
bush to Alberto's friend. He went  
with me to see the Blaville  
manager of the Southern Railway  
to whom I had a letter from  
the Bureau in Lima. We arranged  
to take a trip to Mito on Wed-  
nesday. Mr. Vivanco will make  
all the arrangements calling for  
me at the hotel at 8:00. We go  
by horse to the upper limit of reg-  
ulation & return the same  
day. Being the dry season I  
shall feel to go much but  
I am taking the risk.  
I cannot leave tonight.



Well Saturday as there are only  
2 hours a week, Tues & Sat. I put  
on my laundry this morning & then  
returned. Well, or I might have  
made a break for tomorrow morning.  
Vigilant is just a city - 2<sup>d</sup> in size  
in the area. The music seems very close  
& is a noisy surprise come as  
a train on top. All in all, it's 7000  
Our walk took us along cattle  
valley fields. I was surprised  
at the small number of species of  
blue grass (*P. nutans*) & common  
bromus. In fact, it is a common weed.  
*P. nutans* (interruptus) common along  
ditches. *Sparganium angustifolium*  
(*stolonifera*) is occasional on the  
dikes, as is also *Distichlis (spicata)*  
That is about all. I am going to  
look around some more.

Nov 20

Went to see Mr. Blairdell  
at the Seaside & returned. He  
report on specimens at Julia  
for the Ry Co. Inquired about  
tennis - may get a game.

Before going turned dried papers  
in the sun & got them hot. Changed  
papers & dried again. This after-  
noon - oh, went to lunch  
at Mr. Bates - fine meal!  
About 3<sup>30</sup> took a walk out  
into the country to the east of  
city. Got some photos.  
The valley is irrigated &  
very much mostly alfalfa.  
Wheat & corn. The trees  
are willows & eucalyptus. Around  
houses are *Ulmus*. Very few  
juncus along the ditches.

*Puccinellia*

*P. (crinita)* - forms long floating  
stems in water.

*Aposia maritima*?

*Bromus* & *maclurei*

*Polygala (interrupta)*

*Distichlis (spicata)*

In the park was *Salix mellifera*  
The wheat is a long-stemmed form  
like barley that I have not seen before.  
I am getting my things ready for  
tomorrow morning.



Nov. 21

Mr Delgado Vivanco arrived promptly at 8<sup>00</sup> - English style as he says - this being the house set. With him was a friend who acted as interpreter an Italian born in London. Also a helper who carried my press & camera. A horse (mule) for me without saddle - I using my own. Mr D. was dressed in a checked riding costume & wore bag hat. I took also my small camera.

We went to a small village - Chiquata - 11<sup>00</sup>, where we took lunch. He had provided our breakfast - including a good chicken beer & some mineral water for me. We ate a small native house - friends of the interpreter. They were very hospitable. Provided table & pretty soon on came some soap or tallow, & later a lot of fruit & eggs. Still later a cup of milk

Michael over our lunch & did not eat much of it. I gave him it showed their hospitality. After lunch we returned over the plain of Mita to another small ranching the hotel at 5<sup>00</sup>. I took several pictures - cactuses, distant scenes, etc. The district is very barren at this season no grass, some of the shrubs are in flower. I was told that the vegetation generally slides up the mountain as far as the limit of vegetation. From what I could see this seemed to be true. I could see no green patches and no signs of streams. The whole appearance appears to be largely sand. Mr Delgado did not want to accept my pay but finally since it was government money and not my own consented to let me pay. He said his brother (in my letter from him) had asked him to do whatever he could for me.



Nov. 22  
Thought I would have  
much to do today and have  
been busy all day. Went to the  
breakfast place, packed  
up all papers and boxes. Packed  
saddle and other things in boxes  
and took with me. Then  
went to see Mr. Blairdell  
and Mr. Jones - saw Mr.  
Dwyer. Found that I had  
to have certificate of health  
(provided before coming to  
Berkeley) before seeing  
Blairdell. Went to Dr. Rick-  
ards (2 sons). He got me  
tested in p.m. & wanted me  
to see a wonderful person  
that the Delgado family  
was. Made appointment for  
2<sup>nd</sup>. Arrived in the morning  
just before starting out a  
letter from Bruce Ricketts  
is at the office a station  
near Alameda. He wants  
me to meet him at 1<sup>st</sup> & 2<sup>nd</sup>

on the station below. I saw  
that Blairdell had not  
in Berkeley, now & he had  
told Ricketts. So I went to  
see Mr. Sumner the head of the  
brewery. He is an ornate  
apostate and is subsidizing  
Dr. Ricketts in collecting.  
I told Mr. Sumner that I  
should like to get Ricketts  
to assist me and would  
pay his expenses. He said  
he would have no ob-  
jection and recommended  
this to Ricketts.  
I told him I would work  
for him during. At 1<sup>30</sup>  
went to bank & got \$100<sup>00</sup>  
and my letter of credit (banking  
hours 9<sup>30</sup>-11 and 1<sup>00</sup>-3<sup>00</sup>). Went  
to Dr. Rickards & with him to  
the Delgado, Francisco, brother  
of the one who has the 3 sons.  
He has a son at Berkeley



He made me an appointment  
for 10<sup>00</sup> next day. Then went out  
to observation to get my camera  
(3x7) fixed by the mechanic  
there. Had tea. A full day  
Nov. 23

After breakfast packed my  
books. Went to see the J. de  
Delgado V. (Albert's grand brother)  
He is to leave for the tomorrow  
morning at 7<sup>00</sup> & take me to Pinar.  
Talked with his father. They  
are in grain & sugar business.  
At 10<sup>00</sup> went to the Delgado  
Vivanco - de Mula - who  
lives near the sugar fort  
at the edge of the city - fine  
place. He is building a  
crown watch he said  
would cost \$15,000. But  
U.S. it would cost from  
\$75-100,000 - difference mostly  
in labor. A man gets 50-60  
at day & makes 6 1/2 to 5 1/2

Compensate me the highest price getting  
\$2<sup>00</sup>. Then they got very fine  
umbrella from man by a night  
printer - like lava which shapes  
easily & dissolves by weathering  
color white & pink. He showed  
me his garden with many kinds  
of flowers & trees. In yamper is  
a small spruce the seeds of which  
are red (probably a variety - said  
not on trees) This is much  
used as a dye. He says the  
common wheat grown here -  
very - small like barley - is  
called *Bambusa blanda*. Good  
seed like this is worth much  
2000 sales per acre of 50 fards.  
It is plenty of water. I saw the  
plant and do not know it.  
It is a creeping grass like  
the *peripoma* more grass. He  
said he got a few plants  
from the study of the *Campani*-  
*branchella* station where I will see



and set them out and  
now it comes an area of  
100-200 feet long & 10 ft wide  
appears to stand unchanging  
as it is right under a road.  
From a close soil looks  
Bismuth - but the minerals however  
the says in the rainy season it  
grows 2-3 feet high ( ) and  
disappears when dry - maybe  
some other grass might be  
I found flowers and took  
a specimen. In morning  
the farmer here presents  
1 milk cow, 1 goat, 1 pig - very  
young - looking. After getting  
through we went to see  
Dr. Graham. Mr. D. V. gave  
me a thin slab of stone  
with impressions of a shell  
which was a *Strophomena*. Mr.  
Graham says it is not a  
plant but the pressure  
action of shells. I found

my letter to Mr. S. & he sent it  
on to Breckin. I am copy  
of my letter. I offered to pay  
my expenses and a salary  
for 2 or 3 months (as long as  
I am approved to). He is  
not. Mr. S. was at the  
after dinner (dinner) I bought  
my ticket to Chiquibambilla  
where is the exp. station. It is  
a good one which was  
built. Cost 31<sup>00</sup> pesos but at  
only 28<sup>00</sup>. I had a transfer  
to here took up the whole  
money for me. They came and  
got the money. Transfer charge  
1 bus 60 C. & other (1 hr & 30 min)  
30 & other. The yellow with  
brought me up from by the  
exp. station straight - paid  
me, the money. Wrote Ramon +  
D. V. Graham  
Nov 27

Mr. Delgado V. came at 5<sup>00</sup>  
to the hotel with an auto and



took me to the station. I took  
a reserved seat in the chair  
car. We mounted gradually  
upward to Cruces Alto the  
highest point on the line (17688)  
and then descended to a vast  
plains on which a juliac  
(17550) where I stay all night.  
The train goes on to Puno &  
connects with the boats for  
the (Lake). I go in the morning  
to Chuquibambilla and  
way to Cuzco. The grass  
was gradually increased  
until it is very thick but  
not in flower at this season.  
I saw a herd of alpacas  
just the first time. There  
were smaller than those  
and were covered with  
glacier wets. The people  
inhabiting the highland  
is the Quechua and speaking  
of Peruvian. The land is  
the "yareta" a low peaty  
plane which looks like Crude

sponge or it is stepped.  
Another kind is the crooked  
stems and roots of some shrub.  
Another is the silver plant of a  
spongy shrub 2-3 feet high.  
This is put up in square bales  
& all kinds are found piled  
in quantity at stations waiting  
shipment (see photos & specimens).  
The sky was overcast &  
there were showers in  
night in many places - it  
rained again commencing  
Juliana is where Huxley  
worked on his experiments.  
If he stayed here 8 months  
I should have thought he  
would have died of sun.  
It is cold here like Oroya  
but I see no fire. Train  
Wed & Sunday to Cuzco.

Nov. 23  
Started for Chuquibambilla  
at 8<sup>20</sup>, had seat in chair car



Was joined by Mr. Storde, the  
Director of the Station, whom  
I was going to see. Arrived  
at destination about 11<sup>30</sup>  
and had lunch then. Am  
assigned to a good room and  
am very comfortable. Took  
some photographs + worked  
over the station with Mr. Storde.  
The chief work is sheep raising  
+ improving the sheep. The  
ranch contains 18000  
acres + they have about  
15000 head of sheep. They  
also have hogs. They use  
native swine + imported  
(England) swine. The altitude  
is 12500 and the grazing is sum-  
mer to fall at Aloaiko Ranch.  
They have a well equipped  
apparatus and other modern  
equipment.

Bed fine - hot water bottle  
in it. Also a pile of cow dung  
in my room. The sitting room  
is comfortable and there

is a fire there but it is  
not used at 8<sup>30</sup> + 9<sup>30</sup> + 10<sup>30</sup> + 11<sup>30</sup>  
room.

Nov. 26.

This forenoon took some more  
pictures + worked for grasses.  
Had good my pen. Tea + fruit  
was brought in to me at 6<sup>00</sup>  
before I got up. Breakfast about  
7<sup>30</sup>. In the afternoon we went  
to one of the farms about 3 km  
distant. One of the shepherds  
is in charge here + works after  
the flock that center here.  
The lambing time is on now.  
Last night there was a good  
rain - over  $\frac{1}{2}$  inch. This afternoon  
it rained again.

In spare time I have been  
reading Col. Storde's report  
on his journey from Havirohi  
(Bora Bora) through Uryssima  
to the Red Sea - very interesting -  
well illustrated by photographs.

Nov. 27

In the forenoon Mr. Storde + I



went to another of the gorges  
about 8 miles away. We  
walked over & rode back.  
At the gorge they were nesting.  
The ewes' nodules were a dis-  
tinguishing feature. All the ewes  
are this mated just before  
lambing. There is a peculiar  
note just onto the wether &  
implies the young lamb with  
a serious - usually fatal  
appearance. In a month they  
are immune. They store the  
lamb's also with formalin.  
I took a walk up into the  
hills but found little. There  
were two kinds of small cacti.  
One a *cholla* with red  
flowers mostly buried in the  
soil. The other a *hemispheric*  
a good in diameter consisting  
of many cactus-like radiating  
branches - no flowers. I found  
a *Poa* in good condition on

wet cliffs. The branches of the  
other plants are reflexed like  
our *P. reflexa*. 7 and 2 rock  
forms for many. and much  
at the gorge & returned in  
even (I slept). Saw about  
1500 lambs a day or two old.  
The mothers were trying to pro-  
tect their young in sled by  
standing over them.  
They are importing rams from  
Europe (England Scotland &  
Ireland) to build up the flock.  
They consider the severe multi-  
tude one of the most nutritious  
grows of the *cholla* the flat  
plants as distinguished from  
the hills. *Cholla* grass is common  
(*Stipa* *cholla* on plain & hills  
especially the latter. This is not  
considered good forage (at least for  
sheep). I saw it snipped a good  
deal - probably by cattle, horses,  
& humans. It is much used for



tratch. after returning to the  
salon we had a game of  
tennis (doubles). It had not  
rained here. The ground was  
good, and good backdrops were  
on the salons floor glass  
and my company to her balls  
with artistic hands.

Turns at hand, 1300 ft was  
a nice change for me. During  
the first set, I got worried  
about but after that I did  
not seem to mind. I had  
been told that I (an old  
man!) should not attempt  
turns at hand (9500)  
but my motto is do & dare!

Mr. Sturdy played & said there  
would be no difficulty for  
me if I took it slowly at  
first. He is elderly & thin,  
somewhat robust at the waist  
line. The bookkeeper & I played  
Mr. Sturdy & a Peruvian helper.

The result happens to be worth  
recording. We beat them 6-4, 7-5,  
6-1, ~~6-7~~ 6-7 (we decided to quit on  
the odd game). The bookkeeper was  
the best player of the lot - though  
Col. Sturdy had a wicked return  
stroke. At odd times, we used  
my "mock-Peru".

Nov 28

I in the morning packed my  
things. Left with Col. Sturdy  
& 20 mules and 4 quivers mine  
paper. Yesterday he says that because  
my camera in some way broke  
my round glass. Col. Sturdy gave  
me a round glass 6x8 and had  
my carpenter cut it down to  
place it in for me. An old  
Indian woman came by ap-  
proach me and took a  
photo. She is said to be 107  
years old. She had a pet  
woman with her & took a  
picture of it. Hope for later



at noon and arrived  
at 7<sup>00</sup>. Saw some flocks  
of alpacas. The valley grad-  
ually narrows & rises to La  
Raya the summit that divides  
the waters flowing into Lake  
Titicaca & those flowing  
into the Amazon (14153 ft)  
The valley falls to Cuzco.  
(11007 ft). The cultivated fields  
begin soon after passing La  
Raya. At first only barley and  
maize. The maize are called  
Hattas - the seeds larger than  
kerns maize & brown or purple.  
At 11650 corn appeared and the  
good fields were planted with  
the seeds of the kermes. At  
10000-10500 (there is a rise of 1000 ft  
to Cuzco) there is much corn  
- also barley & beans & potatoes.  
At Sicuani they sell at the  
train robes and mats made  
from skins of alpacas. I bought

a small mat for 3 soles  
at Cuzco. I met several people  
who spoke English. In the evening  
we went out and saw some  
of the old Inca stone walls.  
I went by and got a photo taken.  
On the train before reaching  
Cuzco a young fellow got on  
who represented the Hotel  
Colon to which Col. Storde  
had already telegraphed  
for rooms, so we conveyed  
our baggage to his care. About  
this time I noticed a vile  
odor as of something rotten.  
Oh ho! That skin or meat  
I bought was not thoroughly  
cured. It was strapped to  
my suit case. I turned  
it around and found it  
rotting away. On the train  
was a Peruvian engineer  
who speaks English. He  
saw me smell of the skins



he laughed and said that  
it was a smell, that  
something rotten was here.  
"What is it?" innocently asked  
"Why, it's that old boy!"  
Some snuff, every time he  
came near the smell was very  
evident. The she was on the  
Nov. 28.

In the forenoon, I went in  
an auto with Col. Storde  
to inspect a farm. The house  
was striking of looking out  
for a model farm - good  
crops. We were invited to stay  
to lunch. It proved to be a  
heavy meal. Being dropped  
meat, vegetables, chicken, green,  
hard boiled eggs, meat patties, pastry,  
buns, mince, ~~sausages~~, fresh  
strawberries, preserved blue-  
berries, coffee. - 10 courses.  
I had to quit cold at the end  
of the fourth course. There

was coffee, 2 fruits of wine,  
and beer. There was some surprise  
& disappointment when I refused  
cigars and when I refused to  
smoke the best cigarette that I  
didn't eat meat. I must be  
purer kind. Col. Storde satisfied them  
as to both food & drink. They gave  
a liberal dose of wine and  
fresh strawberries.

In the afternoon I took a  
few pictures, but stuck a-  
round the hotel because the  
Peruvian was going to come  
and bring a present which  
changed the construction of  
the railroad from Cuzco north  
to Orubambas (+ finally to Santa Rosa).  
They did not come till evening &  
then took supper with me.  
Nov. 30

Later in the day I was awakened at  
12<sup>00</sup> by the band playing & by a  
startling noise which proved  
to be a succession of



first tracks. The running of the  
bulletins continued about 15  
minutes. I am not been  
able to do much today because  
I was waiting on the motions  
of others. I went out to the  
president to see if there was  
a letter from Buchanan.  
None yet. Tomorrow I go to  
Lula. Write to Rome & then  
Dec. 1

In the forenoon I went calling  
up a valley to the north. Got  
17 species of grasses - rather  
poor collecting. Crossed over  
a divide & returned by another  
valley. By accident I came  
by some ruins (see pictures)  
ruins of stone walls wonder-  
ful. In the afternoon I took  
a way to carry my camera  
and went back to these  
ruins & took a lot of  
photographs including view of  
city & (19 in all - 5 x 7). In the

evening packed to go to Allentay-  
tamba. During my absence  
Mr. Achua & Panes de Lora  
called leaving their cards.  
I had letters to them from Mr.  
Giesecke in Lima. Mr. Romero  
Sotomayor the engineer introduced  
by Mr. Almenara Butler has arranged  
for a trip for me to Allentaytamba.  
Dec 2

Had early cafe con leche  
and went to station starting  
at 7<sup>15</sup>. Senior La Torre was  
there to meet me. He seems to be  
the chief push of the road. The  
road is narrow - one running  
from Ayacucho ultimately to Santa  
Cruz but the branch runs only  
to Kibondu 63 near Urubamba.  
At Km 67 is Allentaytamba  
a small town where I am  
stopping. I had breakfast (almu-  
ergo at the terminus - a gas shack  
there is no town. Then I walked



to Ullantanku, on my  
coming by my (sister's)  
(a small sharp corner) I  
and my small camera. I went  
about 1000 ft. and  
collecting immediately. Got  
a fair collection - 30 numbers  
about 2 species.

The hotel is a very nice affair  
like some of them I was in  
Cuzco. The room is a small  
place but has a door open  
looking out on the plaza.  
It is large, has four beds, only  
one (mine) made up. I don't  
know whether I have company  
or not. There are clothes hanging  
up in the room. I am wondering  
if my bed is clean - tonight will  
tell. There are two mattresses  
lifted - just the place for bugs!  
I don't know by what  
means I stored my 2 books & 3 suits  
at Cuzco because I had to go  
light. There is no washbasin &

picture, but a towel hangs on the  
wall - maybe wash water comes  
into it. A candle rests on a table  
so I will go to bed now - but can I  
rest? After coming in, had  
a bottle of mineral water (the  
brand is called Jesus) and  
got the landlady to give me a  
cup of tea. (no milk - "no hay  
leche") Had some so-called bread  
with it - a very flat thing  
like a brown cake - about 5  
inches long - no butter. I see  
my friends here if I have  
to stay till Thursday (the day  
the train returns to Cuzco).

On the train, I got into conversa-  
tion with a man (in my  
own Spanish). He introduced a  
new subject & I couldn't get  
the sense of it and asked  
out the key word that I didn't  
know. He wrote this & another  
word. Puleja and piojo. I looked



~~Dec~~ Dec 3

Just up in my little dictionary  
Pulpa - flesh; projo - house. So that  
was where he was talking  
about. He was trying to tell me  
how many of them were in  
Balm's village. He was very  
of, was not troubled with them  
in Pilon. I began to feel things  
bawling me out!

While I was getting accustomed  
had camp and then they called me  
if I wanted eggs & I called for  
medium water. Pretty soon the  
boy brought me a cup & some  
kind of small soup. I obviously  
told him I wanted a large cup  
for my tea because I wanted  
much hot water & milk. I saw  
him looking to himself & smiling  
when he said the cup was for  
my small eggs. So he was  
I had supposed the eggs were in  
a glass & had by me. But I got  
back the eggs & the cup.

Arose early & after coffee & 2 eggs  
Lante (at 7<sup>00</sup>) on horse back with  
Mr. La Torre & another senior  
for the camp where the men  
are working on the grade. Mr. La  
Torre is paymaster & he carried  
his saddlebags full of silver to  
pay off the men. The horse  
was a fine pack & rode well.  
I had an English saddle. At  
our place where we stopped  
I had a chance to look with  
a man in English - a  
great relief after laboring  
so much with the Spanish.  
We went breakfast at the  
camp & I had our horse  
to Lante. I got seven  
additional passes. I took  
several pictures with my  
small camera. Snow peaks  
with forests were in plain  
view. The road is graded to  
about 10,000 ft. It is



about 30 km further to Santa  
Ana the terminus of the road,  
it is narrower gauge. The  
valley from Allamitapan to  
to the end of the road is  
flat & fertile - all cultivated  
with steep mountain slopes on  
each side. Lower the valley  
contracts so that the journey  
will be difficult. We  
returned about 4 pm.

Oh! I was not troubled  
with insects in the air and  
slept comfortably except  
that according to the  
Tore who slept in the same  
room, I had nightmare  
(so I interpret his statement)

I found an interesting group  
of small species of *Cratichneumon*.

There are many species of *Cactos*  
here, one, in frequent rocky slopes,  
is a cluster of hundreds of little  
buds,  $\frac{1}{2}$  - 1 inch diam (mammillaria)

with comparatively large scarlet  
flowers - larger than the button.  
I got a picture of a big  
cactus, almost smothered with  
a small species of *Tillandsia*.  
at the camp, the huts were cov-  
ered with cornucopiae of  
the sides were of interwoven scrub  
brooms which is common through-  
out the valley. At one place  
I saw 3 stacks of hay. The  
chief crop is corn. No llamas  
were seen, the carrying being by  
mules & horses. The English-  
speaking gentleman had 5 native  
peons paid up by his horse.  
He said they were well-adapted  
to the stony fields & an American  
plow could not be used.

I saw a great variety of flowers  
many that I have not seen  
elsewhere - small *Tillandsia*,  
numerous shrubs & trees, etc.

Dec. 7  
Mr La Torre went to Urubamba



this morning I will not return.  
The other man went with him.  
I am left to work on my  
own salaration. I go to the  
commis. of the road on Thursday  
to take the train at 1<sup>00</sup>. If there  
is an auto car going soon  
the La Force will let me know.  
There are no champs for the first  
horse I had yesterday. Mr. J.  
provided me with a boy who  
took me to the ruins (starting  
at 8<sup>00</sup>) and who carried  
my press & large camera. The  
ruins are right at the edge of  
the little town. I spent all  
the forenoon examining & then  
to the ruins. I wish I knew  
more about them. They are  
magnificent. At the top of  
the hill are several immense  
stone buildings many times  
of a kind of stone not found  
near by. The walls are of great

interest to me because the stones  
are so perfectly fitted & without  
mortar or cement. Occasionally  
through the action of various forces  
a stone has shifted & the smooth  
uncemented surface is shown.  
As a rule the stones are irregular  
in shape. No attempt seems to  
have been made to cut a stone  
to a regular shape. But the very  
irregularities are made to conform  
with marvellous perfection.  
Then there the corners of walls  
of stone are perfectly level with  
good enough to withstand the  
action of time. There are  
corners on steep hillside. There  
were all cultivated at one time  
and I suppose the pressure of  
population. Now they are un-  
used & grown up to weeds.  
The steep rocky cliff is curiously  
cut. Seats (?) & steps without  
number are cut into the solid  
rock. As one looks at it now



our minds what it was  
all for. Pickets & masts are  
numerous and without any  
apparent purpose. There is  
very little carving or ornament-  
ation. Some batters (?) have  
a little carving mostly in straight  
lines. One of the little of real  
meaning out of such a cursory  
examination is I was able to  
find. The ruins investigated by  
Bingham (Machupichu) are  
down the valley several miles.  
Too far for me to go. In the  
afternoon I went alone with  
my camera (5-47). I was tri-  
bled some by the rain but car-  
ried my portfolio. I went down  
the valley road (common) took  
yesterday. There are two immense  
stones in the road, some rods  
apart, that are like the big  
stones on top of the hill. They  
are cut to shape and appear  
to have been abandoned on

the way to the hill from the  
granaries across the valley. They  
weigh many tons. One is 20x10  
feet and several feet thick (partly  
ruined). I have photos of both  
large batters with pictures (34  
all per the day). I was taking  
pictures from 8-11<sup>30</sup> and 1-4.  
I found the Inca stone walls,  
one with a new wall below &  
Spanish or modern wall above  
with the disappearance of the latter.  
A bridge across the river on a pier  
which appears to be Inca (because  
of the very large stones, neatly set). The  
new wall, can be easily told.  
They are all through layers and  
at the bottom, down the valley.  
The terraces through the valley  
are very numerous - & all unused  
now. I think the Cactus nation  
are the cliffs. Cliffs covered with  
Tillandsia usneoides.

I have only candle light for  
evening work. But I have a com-



portable rocking chair. The bed  
being good and clean, I sleep  
comfortably. Taking it all together, I  
am more comfortable here I have  
been in some more pretentious places.  
One of my crowned teeth, beginning  
to hurt me - I may have trouble  
with it. Tomorrow I will try to get  
up into the hills - it will be a stiff  
climb.

Dec 5

Started at 8:00 to collect, in-  
tending to get up some valley  
to high land. Went up a large  
valley which comes in to the  
main valley from the west  
(N.W.). The river flows the valley  
near its mouth & I took a photo  
of the valley from the top of the  
river showing numerous terraces  
on the bank ground. I followed up the  
valley about a mile & then went  
up a side valley or ravine on the  
left. The terraces are in the lower  
part of this smaller valley. I found

Three these dry terraces are used  
now, except the uppermost ones,  
mostly maize & beans (habas), &  
old stores shows that they have  
been in use also. I went  
up past these on a good trail  
following up a stream. The trail  
is used by wood gatherers, the wood  
being obtained far up at the  
head of the valley. About half  
way up the ground becomes moist  
and the vegetation luxuriant.  
Trees appeared. But on the hills  
at each side the grass was  
dry and in flower. The trail  
went on through the trees, becoming  
more difficult all the time.  
I got a Muhlenbergia (cane) in  
good condition, also a large  
additional Bromus (of the purgans  
type) - a few rock ferns for  
Mexico - several species of grasses  
but not much of interest and  
from the two mentioned, I con-  
tinued on well up - the climbing



difficult. I think I succeeded  
more than I was put. Finally  
seeing evidence of habitation  
on the other side (N.E.) - small  
fields - I crossed over and found  
a trail leading to a hut. I then  
followed down on another slope  
this being on the open and  
much easier than returning by  
the trail I had ascended.  
Reached the hotel at 12<sup>30</sup>. Arranged  
my plans - note - replied - during  
the afternoon. Mr. La Torre re-  
turned about 4<sup>00</sup> & will go with  
me to Cuzco.

I have seen many pack ani-  
mals going through the plaza in  
both directions - mostly *Andes*  
some *llamas* - today in large  
herd of *llamas* (these are  
mostly in higher regions). Mr.  
La Torre tells me that the  
cargos are mostly *Coca* leaves  
from the mountains to the river  
Cuzco R.

Dec 6 The forenoon  
was pack up. Had breakfast  
at 10<sup>00</sup> and started  
for the train about 11<sup>00</sup>. Met  
Horsbach, a man coming by  
the baggage train. Train left at 1<sup>30</sup>  
sharp time at the terminus to  
pick up a few things. Got  
a big sleep with plans and  
wishes that I do not move.  
Arrived at Cuzco at about  
5<sup>00</sup>. The hotel found letter  
from Buchlein. I tried to tele-  
graph home to go to La Paz  
but the line is interrupted  
& I must wait.

Dec 7

Got off my telegram to Buchlein  
at 8<sup>00</sup> the letter being mailed.  
"Returned from Allentaimbo.  
I leave for La Paz Saturday. Meet  
me there as soon as possible"  
addressed to "Alto. Buchlein care Guatita  
Correos de Arequipa". Signed  
A. S. Hittreck. During the forenoon  
did various things.



Mr Evans went with me to the  
Temple of the Sun - helped me get  
Postman post cards - introduced  
me to the bank, visited the Hotel.  
Saw Sr. La Torre who took me to  
Mr. Romero, the engineer in charge  
at whose orders I may transmit  
money on the Allamula (arrived) trip.  
Went on to see Mr Ponce de Leon  
to whom I had a letter from  
the Bureau. Helped me get a pair  
of moccasins & a hand bag used  
as a pocket, a springy spoon,  
Went to bank & got \$8<sup>00</sup> - one dollar &  
cent at 4<sup>00</sup> w. per man pound.  
the buying rate being 3.75 on 4. %.  
Got lunch at 12<sup>00</sup>. Mr Parafé,  
Professor of Chemistry in the Univ. of  
Cusco called at 1<sup>00</sup> he was attended  
by Stanford Univ. I packed my  
baggage and it was called for  
at 2<sup>00</sup>. With the Hotel Interpreter  
went to the Palace purchased  
m. ticket 58<sup>00</sup> sol., (see La Paz) &  
stopped my baggage (38<sup>00</sup> sol.) & the

free allowance is 50 Kg. An local  
beef only 32 Kg. Mr. Alhara called in  
afternoon came again at 4<sup>30</sup>. He took  
me to a fine church having the "fine  
cloister in S.A." and to the Cathedral  
with its fine solid silver altar  
and I got a peek into the  
University of Cuzco. I have put up  
in a little package - a safety razor  
for Mr. La Torre which I hope to  
give Mr. Romero tonight.

Die 8

Mrs. called at 5<sup>15</sup>, Fussed  
 about desyuno means they  
 brought me huevos pasados. These  
 are "passed eggs" - that is, boiled  
 eggs passed through hot or  
 boiling water so they are warmed  
 but not cooked. I sent one  
 back & had them fried.  
 Main life at 6<sup>45</sup>, Mr. La Torre  
 came down to see me off.  
 Took chair car. Mr. Mercedes  
 Mr. Kramer & wife of Pichla  
 were also aboard & going  
 to La Paz. But, to Puno some



late. Hand baggage examined  
here but trucks go on to La  
Paz. Supper on boat at 8:30  
nice little cabin - the boat seems  
very good. A Sierran where  
we got breakfast - bought  
an extra alpaca mat - 2 1/2 Soles.  
Dec 9

Got into Inagui about 7:00 am.  
and thus had a view of the  
lake or rather the southern end.  
The view is not very impressive  
as the mountains are not high near  
the coast. The ride is black & cold  
and our deer not came to stay  
on deck even with our coat on.  
Alt. 12500 ft. Left soon in  
train for La Paz arriving a little  
after noon. At Tinimacua saw  
briefly the pre-Inca ruins - not much.  
At Alto (13396 ft) near La Paz the  
current power becomes electricity.  
We had been traveling over a plateau  
and no city in sight. About a few  
hundred feet from Alto station

we came to the edge of the valley  
or bowl in which La Paz &  
down was the city & some one  
before us 1400 feet below -  
a very beautiful sight. The  
Ry. winds slowly down to the city.  
We were welcomed to the Paris  
Hotel (Grand Hotel Paris) in an  
auto. It is on the main plaza &  
is the best hotel I have seen  
in the 3 countries. I have a good  
room & the food is good - several  
cham toilets (12 bolivianos per day  
a hotel is about 30 cents now)  
I went after lunch to the Amer.  
Legation & got my mail - 20 letters!  
& spent the rest of the afternoon  
reading them. Alt. of city 12024 ft.  
Bath & chilly here. Wrote to Ramon  
Dec 10

Got up rather late because I felt  
slightly indisposed - as if I had  
caught cold. Have used menthol  
oil & histamine. Went to bank &



draw \$100<sup>00</sup> - (325 Bolivianos) & changed  
65 soles. Before that went to By Sea  
& got my baggage through the  
Customs house - no fee paid  
material & no duty charged.

The 2 trunks & 3 sacks were  
taken to the hotel & back of  
me. Went to cable office &  
sent a telegram to Buchen.

"Alto Buchen, Cuzco, Peru.  
Arrive. Oversee records  
Magera hotel ~~disturb~~ hotel Peru.  
Cost 3<sup>00</sup> Bol. After dinner went  
to Amn de la Cruz, got another  
letter from Mr. C. Saw the Secretary  
The Minister is supposed to be out  
his way from Panama. May  
well that a parcel was going  
out for us. - closed at 4<sup>00</sup> pm.  
Got back & came right back to  
hotel to put a package of my  
film - 9 dozen in packs - some &  
rolls. The messenger called  
for them. Later they sent to

The note 1 letter from Raim &  
a from Mr. C. The boxes came  
from Guayaquil & the  
cable from Lima received.

I have changed my room.  
The one I had from was 12 Bol  
per day (3<sup>60</sup>) I have gotten the  
same kind of room but on one floor  
higher for 10<sup>00</sup> Bol (3<sup>00</sup>) It is a good  
room with running water & electric lights.  
2 tables & chairs (I had a table added)  
and two cupboards. I have a good  
view of the ~~Sierra~~ out in the window  
I took a photo tonight just as the  
sun was leaving it. Sent my  
letter to Raim. Bought a map  
of Bolivia & a plane of La Paz.  
The weather has been fine today  
& yesterday though it is the rainy  
season.

Dec 11-

Having an indication of a  
cold I went to bed early and  
aprove late (5<sup>00</sup>). Went to Amn  
de la Cruz & had a talk with



Mr. Flack the Secretary (since  
Chas. St. Effie's until Mr. Colwell  
comes - probably Sunday).

I had 2 letters of introduction  
sent me away. Consulted  
with him about the trip to  
Santa Barbara - especially the  
trip to Tarifa suggested by  
Mr. Conitt. on your memo note  
to Mr. Touchart who is in charge  
of the construction of the highway  
closer to Villazon on the Mexican  
side. The road south from  
La Paz is complete to Chochila  
and under construction the  
rest of the way. Raily are laid  
south of Mochis & north from  
Villazon. I saw Mr. Touchart  
& he is going to help me when  
I make my trip south. He  
estimates that it would take  
about 15 days to make the  
trip to Tarifa as it is now the  
dry season & I must pay  
much for the dry season.

cannot go by auto. I cannot  
cannot take the time to do this.  
But I hope to go in a day or two.  
Mr. Touchart will give me the  
specifications of the construction  
of the camp & etc. I will see  
him again when I get my  
plans arranged. Mr. Flack  
had invited me to play tennis  
at the Regal Club at 2:30. So  
after lunch I went over  
there. Only 3 players could  
be made - the clerk  
playing the third. Mr. Flack  
invited me to join at the  
"Strangers Club" at 5:00  
he has arranged so that  
I have the privilege of the  
club. I will go there and  
read up from the magazine.  
At the lunch was also Mr.  
McDonnell the Consul  
here. He asked me to lunch  
at the Club tomorrow at 12:00  
to meet some gentlemen who  
can help me to arrange my  
trips. Got letter today from



Beechler saying he was  
sorry but he could not  
come. I don't understand  
why and wrote today to him  
also in the direction to find  
out why he declines after  
giving me the impression that  
he would come.

Dec 12

Got my hair cut, bought a  
1923 map of Bolivia (11 sols).  
Went to see Mr Hoppe of the  
Standard Oil Co. he was  
one hour. I saw Mr Ker,  
who invited me to dinner  
to night or 7<sup>th</sup>. He will  
call for me on 7<sup>th</sup>. Later  
he told me Mr Hoppe  
will also be there. Mr Ker  
is well acquainted with  
Mr Fairchild & Mr Pappe.  
His wife is a cousin of Bob's.  
I know. He was much surprised  
to hear that Pappe was married.  
He gave a young man with  
me to get information about

getting to Sorata (La Paz). But  
on Thursday & Friday returning  
the following day (30 sols each way  
leaves 7:30 & gets to Yaguapampa from  
the corner of Sorata. Best way by mule.  
Suffer 10 by from 30 cents  
per (y. m. 2<sup>nd</sup>) went to lunch in  
Suzuyana Club with Mr Flach  
with presence Whitaker (his friend  
spent time, Barber McDonald  
(cousin). Mr Barber knows the  
country well & gave me some  
advice. I think more accurate  
and I will try that is about a 5 day  
trip. But I want someone with  
me. They hoped find someone to  
accompany a trip to Yaguapampa. Mr Flach  
& going to give me a letter to the  
Yaguapampa Railroad people who  
no doubt will help me on this  
trip. Much depends now on getting  
someone to go with me. Schmidt  
is guide & interpreter. In the evening  
had dinner with Mr Oles Ker & Mr Hoppe  
(a Dane). On return to hotel a message



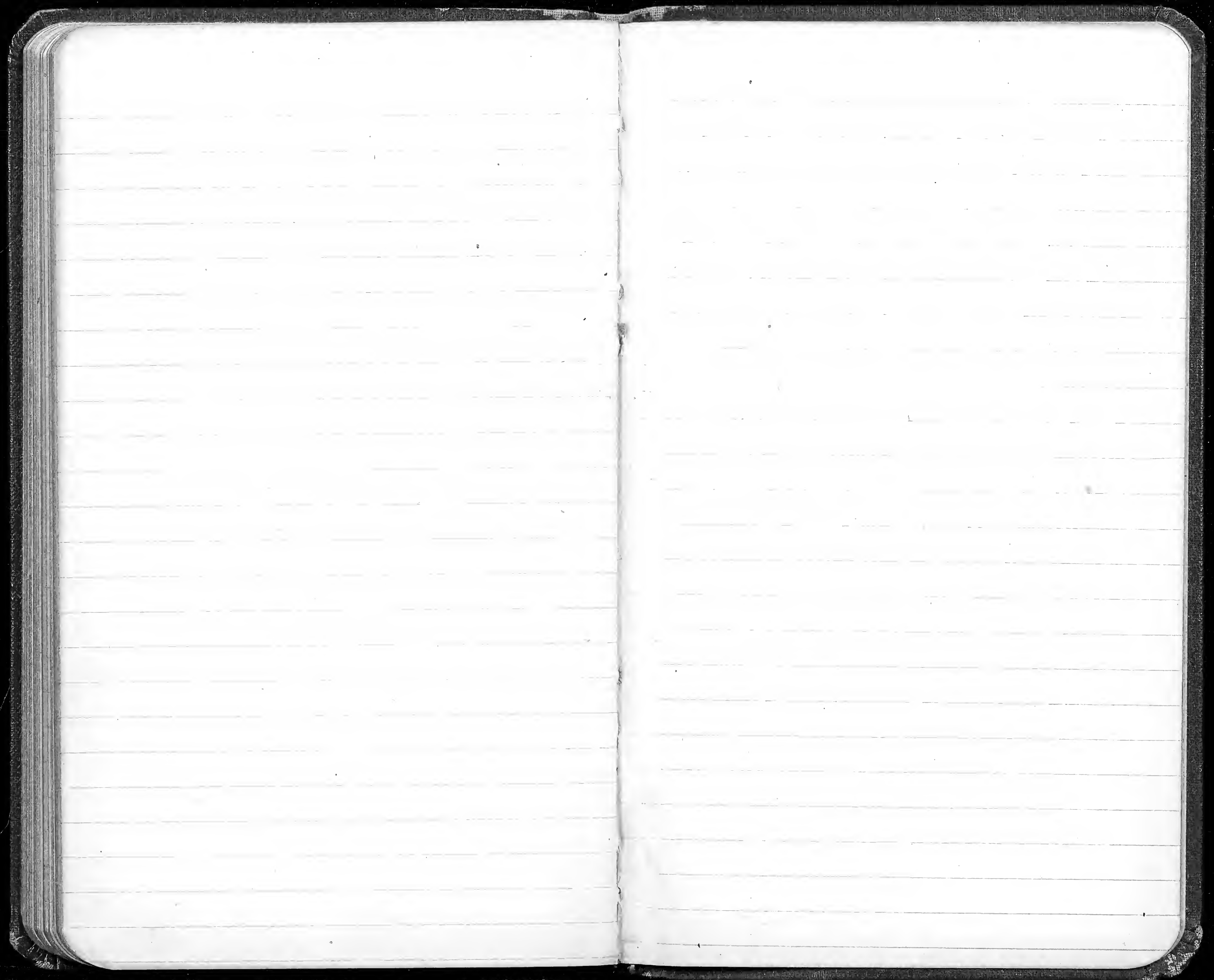
from Mr Flack saying that  
Mr Day, could go with me  
to Illimani & to meet him at  
the Club at 11<sup>00</sup> am.

Dec 13

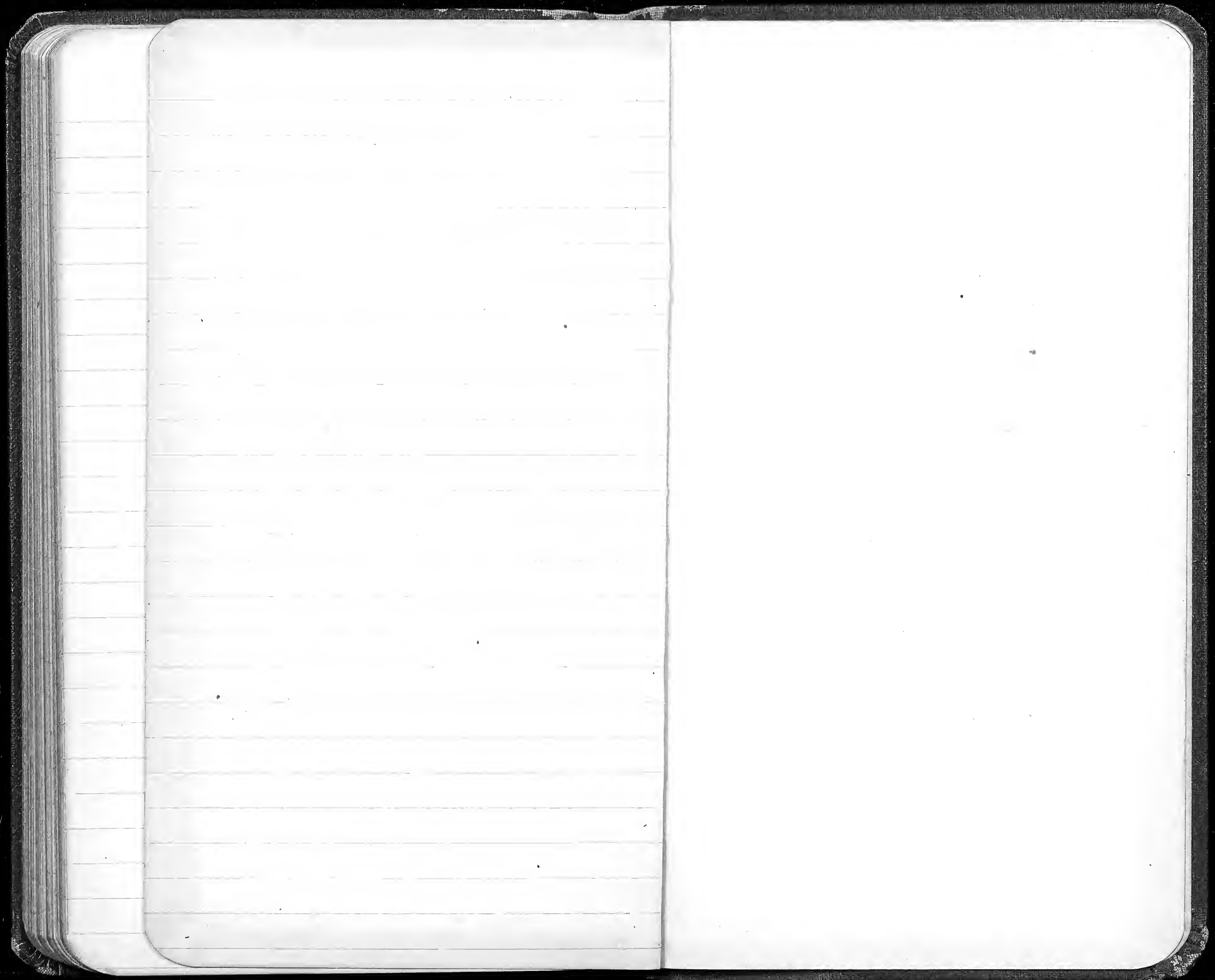
At 11<sup>00</sup> I went to Thompsons Club  
and met Mr Day. I arranged  
with him to accompany me on  
the trip to Illimani. I pay him  
8<sup>00</sup> gold per day & he is our English  
man but his hand is <sup>Robinson</sup> ~~not~~ a long  
time - speaks Spanish - has had  
wide experience in travel in Bolivia.  
A young man - well recommended  
by Flack - Mr - Duffe - Barker &  
he takes the responsibility for the trip.  
He has arranged to start to-  
morrow morning at 8<sup>00</sup>. 3 saddle mules;  
1 cargo mule, & man to look after  
the animals. 25 Bs a day. He has  
in a supply of food. I take with  
compass - belt - 2 blankets - saddle -  
a spirit lamp & alcohol. About 5  
day trip. I take about 150 Bs  
with me. The rest is my friends

I put in sealed envelope and  
give to Mr Flack who gave it  
to Mr Mc Donough who put  
my seals on it & put it in  
a safe. Rest is done with  
Mr Duffe at Thompsons Club. Paid  
bill at hotel. Got telegram from  
Buenos Aires "Estare mercoles  
proximo esa. Buenhien"











1798 1/2



